ESSAYS

03

INDIAN ANTIQUITIES,

HISTORIC, NUMISMATIC, AND PALÆOGRAPHIC,

BY

EDWARD THOMAS,



121

RAMA VARMA RESEARCH INSTITUTE, TRICHUR, COCHIN STATE,





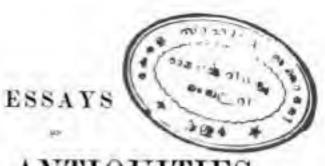
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OF PRE LATE

JAMES PRINSEP, F.R.S.,

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USEFUL TABLES.

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ADITED WITH MOTER AND ADDITIONAL MATTER.

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EDWARD THOMAS,

CASE OF THE RESIDED STATES OF THE STATES OF THE STATES OF THE STATES, AND THE OWNERS OF THE STATES

IN TWO VOLUMES .- VOL. 11.

WITH SCHEROLS INCOMPANIONS.

LONDON: JOHN MURRAY, ALREMARIE STREET, 1858.



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NUMISMATIC ESSAYS.

RAMA VARMA RESEARCH INCTITUTE.
TRICHUR. COLTEN STATE.

ALPHABET TO THE BUDDHIST GROUP OF COINS,

7m JUNE, 1837.

Having once become possessed of the master-key of this ancient alphabet. I naturally hastened to apply it to all the doors of knowledge hitherto closed to our access. Foremost among these was the series of coins conjecturally—and, as it now turns out, correctly—designated as the Buddhist acries; and of these, the beautiful coin discovered by Lieut. Conolly, at Kanauj, attracted the earliest notice from the very perfect execution and preservation of the legend; [see pl. vii., fig. 1, vol. i., p. 115]. The reading of this coin was now evident at first sight, as been Vippa-devasa; which, converted into its Sanskrit equivalent, will be fauctor Vipra-devasya, '(the coin) of Vipra-deva.' On reference to the chronological tables, we find a Vipra in the Magadha line, the tenth in descent from Jarasandha, allotted to

the eleventh century before the Christian era! Without laying claim to any such antiquity, we may at least bespeak for our Vipra-deva a place in the Indu-vansa line of Magadha, and a descent from the individual of the same name in the Pauranic lists.

[I regret to have to disturb this identification, but the new reading of the name on the coin, as Vishnu-dees, is distinct and positive! Prinsep himself, it will be seen bereafter, amended his first form of b = ph, to b, [see pl. xxxvii.] The true letter on the coin is the old equivalent of q sh, which does not seem to have been met with in either the Lát character or that of the Western caves, though Dr. Stevenson gives the letter in its present shape among what he terms Satrap characters.—Jour. Bombay Br. As. Soc., July, 1853, pl. xvii.]

Other coins depicted in former plates may, in a similar manner, be read by the new alphabet.

The small bronze coins of Behat (fig. 5, pl. [iv.] xviii., vol. iii. and fig. 13 of pl. [xix.] xxxiv., vol. iv.) have the distinct legend scree in the square form of the same alphabet. The application of the word mahitrajasa in the genitive, with no trace of a name, might almost incline us to suppose that the title itself was here used as a name, and that it designated the 'Mahraje, king of Awadh,' of the Persian historians, who stands at the head of the third lunar dynasty of Indraprastha, in the 'Rajavali'!

On the bronze Behat coin (figs. 11, 12, of pl. [iv.]

xviii., vol. iii., and 3, 6, 9, of pl. [xix.] xxxiv., vol. iv.), though we have ten examples to compare, the context is not much improved by the acquisition of our new key; the letters are neor+lilot base dhana kanaya dhaya; (the second letter is more like & bhu.)

Stacy's supposed Greek legends (figs. 2, 3, of pl. [vii.] xxv., vol. iii.), may be read (as I anticipated), [vol. i., p. 114], invertedly Lifella Yagā bijana puta (sa?)

The larger copper coin, having a standing figure holding a trident (fig. 4, pl. [vii.] xxv., vol. iii.) has, very distinctly, the name of stand.... Bhagavata cha (or sa). A raja of the name of Bhagavata appears in the Magadha list, about the year 80 s.c.

On some of the circular copper coins, we have fragments of a legend ser and Bhāmada... vatapasa, quasi Bhimadeva tāpasya—but the last word is the only one that can be confided in.

On a similar coin, of which Stacy has a dozen specimens (fig. 47, pl. [xx.] xxxv., vol. iv.) the name of react Rámadatasa, 'of Rámadatta,' is bounded by the 'lizard' emblem of Behat.

These are the only two in the precise form of the Latcharacter—the others are more or less modified.

Another distinct group (that made known first by Mr. Spiers) from Allahábád (pl. [viii.] xxvi., figs. 12-15, vol. iii., p. 436, See Art. vi.), can be partially deciphered by the Lát alphabet. Capt. Cunningham has a fine specimen with the letters redirect Rája Dhana-devasya, 'of Rája Dhana-deva,' a name not discoverable in the catalogue, though purely Sanskrit. On three more of the same family, we find 144 Navasa. On one it seems

rather 114 Narasa, both Nava and Nara being known names. On another †184 Kunamasa; and on another, probably, 8544 makapati, 'the great lord.'

The 'bull' coins of this last group are connected in type, and style of legend, with the 'cock and bull' series; on which we have lately read Satya-mitasa, Saya-mitasa, and Bijaya-mitasa; so that we have now a tolerably numerous descending series of coins to be classed together from the circumstance of their symbols, of their genitive termination, and their Pálí dialect and character, as a Buddhist series, when we come again to review what has been done within the last few years in the numismatology of India.

But the most interesting and striking application of the alphabets to coins is certainly that which has been already made (in anticipation, as it were, of my discovery, by Lassen, to the very curious Bactrian coins of Agathoeles.

The first announcement of Lassen's reading of this legend was given [vol. i. p. 401]. He had adopted it on the analogies of the Tibetan and Pálí alphabets, both of which are connected with, or immediately derived from, the more ancient character of the Lâts. The word read by him, 'rājā,' on some specimens seems to be spelt to yāja, rather than je lāja, a corruption equally probable, and accordant with the Pálí dialect, in which the r is frequently changed into y, or omitted altogether. I am, however, inclined to adopt another reading, by supposing the Greek genitive case to have been rendered as literally as possible into the Pálí character; thus shother Agathakhayej for Agathakhayej: this has the ad-

vantage of leaving the letters on the other side of the device for the title, rájá, of which, indeed, the letter t is legible.

I am the rather favorable to this view, because, on the corresponding coin of Pantaleon, we likewise find both the second vowel of the Greek represented by the Sanskrit semivowel, and the genitive case imitated: supplying the only letter wanting on Swiney's coin—the initial p,—of which there are traces in Masson's drawing, the word brast c Pantalewanti, is, by the help of our alphabet, clearly made out; the anuswars, which should follow the being placed in the belly of the letter instead of outside; and the a being attached to the centre instead of the top of the t [Pantalevasa.]

The discovery of these two coins with Pali characters, is of inestimable importance in confirming the antiquity of the alphabet; as, from the style of Agathoeles' coins, he must necessarily be placed among the earliest of the Buetrians, that is, at the very period embraced by the reign of Asoka, the Buddhist moments of Magadha.

On the other hand, the legend throws light on the locality of Agathocles' rule, which, instead of being, as assigned by M. Raoul Rochette, in 'Hante Asie,' must be brought down to the confines, at least, of India proper.

As, however, the opinions of this eminent classical antiquary are entitled to the highest consideration, I take this opportunity of making known to my readers the substance of his learned clacidation of this obscure portion of history, given in a note on two silver coins of Agathoeles, belonging to the cabinet of a rich amateur

at Petersburg, published in the 'Journal des Savans,' 1834, p. 335:

'In the imperfect accounts transmitted to us of the troubles occasioned to the Seleucidan kingdom from the invasion of Ptolemy Philadelphus, and of the loss of entire provinces after the reverses of Antiochus II. Theos; the foundation of the Arsacidan kingdom by the defection of the brothers Arsaces and Tiridates is an established point, fixed to the year 256 s.c. But the details of this event, borrowed from Arrian's Parthies,' have not yet been determined with sufficient care, as to one important fact in the Hactrian history. From the extracts of various works preserved in Photius, the defection of the Parthians arose from an insult offered to the person of one of these brothers by the Macedonian chief placed by Antiochus II. in charge of the regions of High Asia, and named Phéréelès. The two princes, indignant at such an outrage, are supposed to have revenged themselves with the blood of the satrap, and, supported by the people, to have succeeded in shaking off the Macedonian yoke.

'This short notice from Photins has been corrupted by transcribers in the name of the chief Phérécies, which modern critics have failed to correct by a passage in the 'Chronographia' of Syncellus, who had equally under his eyes the original of Arrian, and who declares expressly that 'Arsaces and Tiridates (brothers, issue of the ancient king of Persia, Artaxerxes), exercised the authority of satraps in Bactria at the time when Agathoeles, the Macedonian, was governor of Persia; the which Agathoeles, having attempted to commit on the person of the young Tiridates the assault before alluded to, fell a victim to the vengeance of the brothers, whence resulted the defection of the country of the Parthians, and the birth of the Arsacidan kingdom.' Agathoeles is called by Syncellas, Ewapyer rig Περσικής, while Photius calls him (under an erroneous name) Хатранцы вытід тід хорах катавтанта, appointed by Antiochus Thece; so that no doubt whatever could exist as to their identity, although, until the discovery of the coins, there was no third evidence whence the learned could decide between the two names. The presumption might have been in favor of Agathoeles, because among the body-guard of Alexander was found an Antylocus, son of Agathoeles, who, by the prevailing custom of his country, would have named his son Agathoeles, after his own father.'

M. Raoul Rochette proceeds to identify the Eparch of Persia with Diodotus, or Theodotus, the founder of the

Bactrian independency ;-supposing him to have seized the opportunity of striking the blow during the confusion of Autiochus' war with Ptolemy, and while he was on deputation to the distant provinces of the Oxus,-that he was at first chary of placing his own head on his coin, contenting himself with a portrait of Bacchus, and his panther on the reverse, but afterwards emboldened to adopt the full insignia of royalty. Thus, according to our author, a singular shift of authorities took place: Arsaces, the satrap of Parthia, quits that place and sets up for himself in Persia, in consequence of the aggression of Diodotus (or Agathoeles), king of Bactria, who had originally been Eparch of Persia, -both satraps becoming kings by this curious bouleversement. The nondiscovery of Theodotus' medals is certainly in favor of M. Raoul Rochette's argument, but the present fact of a Hindi legend on his coin militates strongly against his kingdom being thrown exclusively to the northward-By allowing it to include Parthia proper, or Seistan, and the provinces of the Indus, this difficulty would be got rid of; but still there will remain the anomaly of these Indian legends being found only on Agathocles, and Pantaleon's coins, while those of Menander, who is known to have possessed more of India proper, have only the Pehlví Agathoeles' rule must have included a sect of reverse. Buddhists somewhere, for, besides the letters, we find their peculiar symbol present on many of the 'panther' coins. At any rate, we have certainty of the existence of our alphabet in the third century before Christ, exactly as it exists on our Indian monuments, which is all that on the present occasion it is relevant to insist upon. . . .

[Prinsep then goes on to test the application of this alphabet to other classes of inscriptions, and terminates his remarks with—]

A few words in conclusion regarding the alphabet, of which I have had a fount prepared while this article was setting up for press.

There is a primitive simplicity in the form of every letter, which stamps it at once as the original type whereon the more complicated structure of the Sanskrit has been founded. If carefully analyzed, each member of the alphabet will be found to contain the element of the corresponding member, not only of the Devanagari, but of the Kanauj, the Pali, the Tibetan, the Hala Kanara, and of all the derivatives from the Sanskrit stock.

But this is not all: simplification may be carried much farther by due attention to the structure of the alphabet, as it existed even at this early stage, and the genius of its construction, ab initio, may in some measure be recognized and appreciated.

First, the aspirated letters appear to have been formed in most cases by doubling the simple characters; thus, a chh is the double of a ch; o th is the double of a t; o th is the double of a t; o th is the same character with a dot as a distinguishing mark: (this may account for the constant interchange of the $(-\lambda, -0)$ and (0, -1) in the inscriptions). Again: a dh is only the letter (-1) produced from below—if doubled, it would have been confounded with another letter, the s. The aspirated (-1) is merely the (-1) p with a slight mark, sometimes put on the outside, either right or left, but I cannot yet affirm

i [1 have allowed Princep's original speculations on the structure of this alphabet to stand uncommented upon; and have reserved for restrictation, under his own hand, in the succeeding article, whatever was left imperfect or incomplete in this,]

that this mark may not merely denote a duplication of the letter rather than an aspiration—if, indeed, the terms were not originally equivalent; for we have just seen the doubling of the letter made to denote its aspiration.

The kh seems formed from the g rather than the k: the gh and jh are missing as in Tibetan, and appear to be supplied by g and chh respectively: bh is anomalous, or it has been formed from the d by adding a downward stroke.

Again, there is a remarkable analogy of form in the semi-vowels r, r, l, y, t, v, v, v, which tends to prove their having been framed on a consistent principle: the first r hardly ever occurs in the Dihli inscription, but it is common in that from Girnar. The h v is but the v reversed: the ri, so peculiar to the Sanskrit alphabet, is formed by adding the vowel i to the r, thus, r.

As far as is yet known, there is only one n, and one s: the masals and sibilants had not therefore been yet separated into classes; for the written Páli of 200 years later possesses at least the various n's, though it has but one s.

The four vowels, initials, have been discovered, a. ...

b. L. a, i, e, u. The second seems to be the skeleton of
the third, as if denoting the smallest possible vocal sound.

Of the medial vowels it is needless to speak, as their
agreement in system with the old Nágarí was long since
pointed out. The two long vowels i and u, are produced
by doubling the short symbols. The visarga is of doubtful occurrence, but the anaswara is constantly employed;

¹ I think the Girnör and Coylon inscriptions will be found to have the other nasals made by the modification of the primary 1. There are other letters in these texts not found in the Latrof this side of India.

and when before m, as in p-s dhamma, it is equivalent to the duplication employed in the more modern Pálí writing. The following, then, is our alphabet, arranged in the ordinary manner.

We might, perhaps, on contemplation of these forms, go yet farther into speculation on their origin. Thus the g may be supposed to be formed of the two strokes of the k, differently disposed; the j, of the two half curves of the ch superposed; the two d's are the same letter turned right and left respectively; and this principle, it may be remarked, is to be met with in other scions of the Indian alphabet. Thus, in the Tibetan, the z, a sound unknown to the Sanskrit, is made by inverting the z, j; the cerebral u, by inverting the dental 5 n; and the cerebral l, th, by inverting the dental 5 n; and the cerebral l, th, by inversion of the dental

The analogy between the ϵ and λ is not so great in this alphabet as in what we have imagined to be its successor, in which the essential part of the (L) t is the ϵ placed downwards $(\)$. In the same manner, the connection of the labials, p and b, is more visible in the old Ceylonese, the Kanauj, and even the Tibetan alphabets;

¹ It is worth observation that the dental d of the inscriptions corresponds in form to the modern coroliral, and vice week.

the a b being merely the a p closed at the top; and in square Páli u and v

Thus, when we come to examine the matter critically, we are insensibly led to the reduction of the written characters to a comparatively small number of elements, as +, d, C, d, 1, b, 8, 1, a and a; besides the vowels 3, b, L. Or, perhaps, in lieu of this arrangement, it may be preferable to adopt one element as representative of each of the seven classes of letters. We shall thus come to the very position long ago advanced by Lambulus the traveller.

Iambulus was antecedent, says Dr. Vincent, to Diodorus; and Diodorus was contemperary with Augustus. He made, or pretended to have made, a voyage to Ceylon, and to have lived there seven years. Nine facts mentioned by him as characteristic of the people of that country, though doubted much in former days, have been confirmed by later experience: a tenth fact the learned author of the 'Periplus' was obliged to leave to future inquiry,—namely, "whether the particulars of the alpha bet of Ceylon may not have some allusion to truth: for, he says, 'the characters are originally only seven, but by four varying forms or combinations they become twenty-eight."

It would be difficult to describe the conditions of the Indian alphabetical system more accurately than Iambulus has done in his short summary, which proves to be not only true in the general sense of the classification of the letters, but exact as to the origin and formation of the symbols. As regards the discussion of the edict of

¹ Vincent's 'Periplus of the Erythrean Sea.'

Devánampiyatissa, the testimony of Iambulus is invaluable, because it proves that written characters—our written characters—were then in use (notwithstanding the Buddhist books were not made up till two centuries later:) and it establishes the credit of a much vituperated individual, who has been so lightly spoken of, that Wilford endeavours to identify him with Sindbad the Sailor, and other equally marvellous travellers!

[Though not strictly susceptible of classification with numismatic developments, I am anxious to associate with James Prinsep's other contributions to the historical antiquities of India, his most interesting discovery of the names of the early successors of Alexander the Great, on the lapidary monuments of Asoka, the grandson of Chandragupta.]

DISCOVERY OF THE NAME OF ANTIOCHUS THE GREAT, IN TWO OF THE EDICTS OF ASOKA, KING OF INDIA.

(Read at the Masting of the Adultic Society of Bougal, on the 7th Murch, 1838.)

As long as the study of Indian antiquities confines itself to the illustration of Indian history, it must be confused that it personne little attraction for the general student, who is apt to regard the labor expended on the disentanglement of perplexing and contradictory mases of fiction, as leading only to the substitution of vague and dry probabilities for poetical, albeit extravagant, fable. But the moment any name or event turns up in the course of such speculations, offering a plausible point of connection between the legends of India and the rational histories of Grocce or Rome, -a collision between the fortunes of an eastern and a western hero, -forthwith a speedy and spreading interest is excited, which cannot be satisfied until the subject is thoroughly sifted by the examination of all the ancient works, western and eastern, that can throw concurrent light on the matter at issue. Such was the engressing interest which attended the identification of Sandracottus with Chandragupta, in the days of Sir Wm. Jones: such the ardour with which the Smakrit was studied, and is still studied, by philologists at home, after it was discovered to bear an intimate relation to the classical languages of ancient Europe. Such, more recently, has

been the suriosity excited, on Turnour's throwing open the hitherto scaled page of the Buddhist historians to the development of Indian monuments and Paurinie records.

The discovery I was myself so fortunate as to make, last year, of the alphabet of the Dihli Pillar Inscription, led immediately to results of hardly less consideration to the learned world. Dr. Mill regarded these inscriptions as all but certainly demonstrated relies of the classical periods of Indian literature. This alight remainder of doubt has been since removed by the identification of Piyadasi as Asoka, which we also owe to Turnour's successful researches; and, dating from an epoch thus happily achieved, we have since successful in tracing the name of the grandson of the same king, Dassrutha, at Gaya, in the same old character; and the names of Nanda and Ailas, and perhaps Vijaya, in the Kalinga caves: while on Bactrian coins we have been rewarded with finding the purely Greek names of Agathoeles and Pantaleon, faithfully rendered in the same ancient alphabet of the Hindús.

I have now to bring to the notice of the Society another link of the same chain of discovery, which will, if I do not dessive myself, create a yet stronger degree of general interest in the labours, and of confidence in the deductions, of our antiquarian members than any that has preceded it. I feel it so impossible to keep this highly singular discovery to myself that I risk the imputation (which has been not unjustly cast upon me in the course of my late undigested disclosures), of bringing it forward in a very immature shope, and, perhaps, af hereafter being obliged to retract a portion of what I advance. Yet neither in this, nor in any former communication to the Society, have I to fear any material alteration in their general bearing, though improvements in reading and translation must of course be expected as I become more familiar with characters and dialects unknown for ages past even to the natives themselves, and entirely new to my own study.

A year ago, as the Society will remember, Mr. Wathen kindly sent me a reduced copy of the facsimiles of the inscriptions on a rock at Girnár (Giri-nagara) near Junágarh, in Gujarát, which had been taken on cloth by the Rev. Dr. Wilson, President of the Bombay Literary Society. He also sent a copy to M. Jacquet of Paris, which I dare say before this has been turned to good account.

After completing the reading of the Pillar Inscriptions, my attention was naturally turned to these in the same character from the west of India, but I soon found that the copy sent was not sufficiently well done to be thoroughly made out; and I accordingly requested Mr. Wilson to favour me with the facsimile itself, which, with the most liberal frankness, he immediately sent round under a careful hand by

sen. Meanwhile Lieut. Kittoe had, as you are also aware, made the important discovery of a long series of inscriptions in the same character at a place called Dhaulf, in Katak. These were in so mutilated a state that I almost despaired of being able to sift their contents; and they were put aside, at any rate until a more promising portion of my labour should be accomplished.

I had just ground my way through the Girnár text, which proved to be, like that of the pillars, a series of edicts promulgated by Asoka, but essentially different both in language and in purport. When I took up the Katak inscriptions, of which Lieut. Kittoe had been engaged in making a lithographic copy for my journal, to my surprise and joy I discovered that the greater part of these inscriptions (all, indeed, save the first and last paragraphs, which were enclosed in distinguishing frames), was identical with the inscription at Girnár. And thus, as I had had five copies of the Pillar Inscription to collate together for a correct text, a most extraordinary chance had now thrown before me two copies of the rock edicts to aid me in a similar task! There was, however, one great variance in the parallel; for, while the pillars were almost identical letter for letter, the Girnár and Katak texts turned out to be only so in substance, the language and alphabet having both very notable and characteristic differences.

Having premised these much in explanation of the manner of my discovery, I must now quit the general subject for a time, to single out the particular passage in the inscriptions which is to form the

theme of my present communication.

The second tablet at Girnar is in very good preservation; every letter is legible, and but two or three are in any way dubious. The paragraph at Assessums, which I found to correspond therewith, is far from being in so good a state; nevertheless, when the extant letters are interlined with the more perfect Girnar text, they will be seen to confirm the most important passage, while they throw a correspondive evidence upon the remainder, and give a great deal of instruction on the respective idioms in which the two are conclude.

The edict relates to the establishment of a system of medical administration throughout the dominions of the supreme sovereign of India, at one of which we may smile in the present day, for it includes both man and beast; but this we know to be in accordance with the fastidious humanity of the Buddhist creed, and we must therefore make due allowance for a state of society and of opinions altogether different from our own.

THANKLATION.

[&]quot;Everywhere within the conquered provinces of Raja Piyadasi, the beloved of the gods, as well as in the parts occupied by the faithful, such as Chula, Pida, Satiyaputra,

and Ketalaputra, even as far as Tambapassai (Coylon)—and moreover, within the dominious of Antiochus the Greek (of which Antiochus' generale are the rulers)—everywhere the heaven-beloved Rāja Piyadasi's double system of medical aid is established, both medical aid for men, and medical aid for animals: togother with medicaments of all serts, which are exitable for men, and esitable for animals. And wherever there is not (such previous), in all such places they are to be proposed, and to be planted; both root-drugs and herbs, whereseever there is not (a provision of them) in all such places shall they be deposited and planted.

"And in the public highways wells are to be dug, and trees to be planted, for the

accommodation of mon and animals."

Many things are deserving of comment in this short edict. But the principal fact which arrests attention in this very curious proclamation, is its allusion to Anticolms the Yens (Sanskrit, Facana) or 'Greek' king. The name occurs four times over, with only one variation in the spelling, where, in lieu of Antivako we have Antivako, a still nearer approach to the Greek. The final s is the regular Pali conversion of the Sanskrit nominative masculine termination as, or the Greek se. In the Pillar dialact the visarga of the Sanskrit is replaced by the vowel e, as we see in the interlined reading, Antiyake. Again, the interposition of the semirowed y between the two Greek vowels a and e is exactly what I had occasion to observe in the writing of the words Agathuklayof and Pantalawanta for Ayabakkews and Пантаковнос on the coins. All this evidence would of itself bias my choice towards the reading adopted, even were it possible to propose any other; but although I have placed the sentence, exactly transcribed in the Devanaguri character, in the pandit's hand, he could not, without the alteration of very many letters, convert it to any other meaning, however strained. And were there still any doubt at all in my mind, it would be removed by the testimony of the Katak version, which introduces between Antiquis and Yous the word same,-making the precise sense 'the Yona raja, by name Antiochus.'

[I transcribe so much of the duplicate version of the original, since illustrated and confirmed by the decipherment of the Arian inscription at Kapur di Giri, as in any way affects the historical value of the document, together with Professor Wilson's commentary and revision of Prinsep's translation. The Professor's opening remarks explain the derivation and arrangement of the parallel texts, inscribed in extense in the Journal of the Royal Asiatic Society.]

In order to exhibit with as much distinctness as possible the

language of the inscriptions I have placed the several inscriptions in parallel lines, in order to bring the words of each in juxta position as far as was practicable. They accordingly form four lines. upper line represents Mr. Prinsep's original readings, as published in the Journal of the Asiatic Society of Bengal, vol., vi., p. 228, and above the line, in a smaller character, are inserted his subsequent corrections, as given in a copy of the Journal, corrected by himself, and placed at Mr. Norris's disposal, by his brother, Mr. H. T. Prinsep. Small numerals refer to the lines of our own lithographed copy. This line I have designated G a. The second line is the representation of the copy lithographed (in the 'Jour. Rey. As. Soc.,' vol. xii., p. 153), and which I have generally referred to as Mr. Westergaard's copy, as he has the larger share in it. This is marked G A. The third line marked D repeats the Dhauli inscription, as given by Mr. Prinsep. We have not yet been fortunate enough to have had a second and revised transcript, although it is very desirable. The lower line is marked K, as being rendered into Roman letters from the lithographed copy of the Kapur di Giri inscription. The small figures here also refer to the lines of the original. Where blanks occur in either of the inscriptions they are denoted by asterisks (dots are used in this work); where words are wanting for the collation, although there is no blank in the inscription, a line (of dots) supplies their place.

				TABLE	OF ELL			
Ga Ga D R	Savata Savata Savatant	vijitem vinite vijite	hi	derknan derknan derkasn derman		piyasa piyasa piyasa priyasa	Piyadasino Piyadasino Piyadasino Priyadasina	ropo ropo roja
G A	⁴ evamapápava evamapápáva		rathā rathā		zien Abou	Pida Pida	Satiyap Satiyap	
K	111	1	1 3	-	yi	Palaya	Baliya putra	
G # G # D	Ketaleputa, a Ketalaputa, a cha Keralam	1	Tam	ba'panni bapani bapani	0	Antiyako Antiyako tiyoko nama Antiyoko ne	yota raje yota raje yota laje yota raja	ye ya
G a G h D K			toss toss . tas a tasu		Anti	yakusa yukusa yokasa yokasa	samino triji shmipum raj shmanta laji uznođa raja)	jámo line

The portion of the Kapur di Giri inscription, which recresponds with the second Tablet of Girair and Dhauli, is less imperfect than that which answers to the first Tablet, and in the few blanks which occur, is admits of being conjecturally completed without any great clother.

There are, however, everal emissions as compared with the Giralar sculpture, which are apparently intentional, constituting a variety in the largeage; though not in the general purport of the inscriptions. The inscriptions correspond and in the wholf point of interest, the mention of Astin Loss, the York Bills.

The interption consumes with the place. Sente view, taltated by a short black, which may be filled up, without much visit of series, by the syllade man, of the Giratic Tablet— everywhere in the encounted countries,"—which is followed by the sound designation for the behaved of the goals. Pixelast, the gratific losing as before, Privalestics: the word "engatries," it may be parameted, in understood in all the invertebrase.

We have no equivalent for what follows, which is read by Mr. Princep, evanuepolymenton. In Westergazzi's copy it might be read, make production, but it is, perlaps, only evans are production (for productions) * also even in the bardering countries,* not as Princep proposes, * as well as in the parts occupied by the fidthful.* Not have we my equivalent for Cheels, competenced by Princep in he that parties of the south of India which is known as Cheels, or Cheelsmonthia, whome our Coromandel.

Instant of Fols, which requires to be corrected in Fills, we have Relays, and then Satiga pairs the Keralement's Foodsquare, no may approach in Keriya pairs Keralement and Translageon's which which have been thought intended to designate plants in the teath of India, but of which the two best Folgos and Kerbergeria, are now and unknown. Kerale is no doubt a name of Malakas, as Chela is of the approach count; but we also find both words, in combination with allows, designating constrain as people in the north-wast, as Kamberg, Yarano, Chela, Marsia, Kamba, Saka. (Game-Pathra, referring to a rates of Pontol. 4. I. 178.) Taxologous it has been proposed to identify with Tamoraparat, as Caylea, but because youngs may also remove that to the north. The same authority, giving the transport to a word indicated in the sates, 6. I. 116, explains them to algority tribes of Taxologous and specifics among them Savitri-patra, which others some analysis to the Malakas-patra of the interription. It is much more likely that countries in the sauth-west, then in the currents smith, of India are intended.

We next dome to the important privage in which a Greek some and designation pongr. Both the Greate repost rend Antiquela your repost the Kapur di Giri, less Antipolans your ripe; but the two but believe up are rather doubled. It should perhaps be Antigene name, as at Dhamit, whom we have rigula years type. The not of the nominative case, however, office a systemical perplexity, for those is not ony rorb through which to connect Antochus with the rest of the scatture; and it seems unusual to associate the same of an individual with those of places. Trimup supplies the defect with "the dominions of Autio-has the Grook;" has we have no term for "the dominions," nor is the nown in the genetice case, so it is in what follows: In this the Kapur di Giri inscription marly agrees with that of Granc, and it may be read ye che a rena tasa Antiyokana somolo rajoya saluta desanom prigosa, etc., that of Girnle being ye of pi tane Antipologic minipass reliens source. Either may be rendered 'and those princes who are near to Antischus averywhere,' although rayaya is an unusual form of the plural of reps, being neither Sueskrit nor Pall. The object of prefixing a to reject in the word armse, being equivalent to 'no king,' is not very intelligible, and it can scarcely in doubted that assists should be except, as found both at Girnar and Dhanil. It seems likely that there may be sense instrumence in this

part, either in the original or the copy. But admitting a concurrent reading, we still want a connecting word, and it is not specified what these neighbours or dependents of Antiochm are to do. We may presume that they are expected to attend to the object of the edict, or they may be comprehended in the list of the server spirit, 'the conquered.'

PROPOSED TRANSLATION.

In all the arbjugated (territories) of the King Priyadasi, the beloved of the gods, and also in the burdering countries, as (Choda), Palaya, (or Paraya), Satyaputra, Keralaputra, Tambapani (it is proclaimed), and Antiochus by name, the Yona (or Yavana) Itaja, and these printes who are near to (or allied with) that monarch, universally (are apprised) that (two designs have been charlahed by Priyadast i one design) regarding men, and one relating to animals; and whatever herbs are useful to men or useful to animals. PRINTER'S TRANSLATION.

"Everywhere within the conquered previous of rhja Fiyadasi, the beloved of the gods, as well as is the parts occupied by the faithful, such as Chola, Pida, Sati-yapatra, and Ketalapatra, oven as far as Tambapanus (Coylon); and moreover, within the deminions of Antiochus, the Greak (of which Antischus' generals are the rulers)—everywhere the braven-beloved rhja Piyadaal's double system of medical aid is established; both medical aid for me a, and medical aid for animals, begether with the medicaneuts of all sorts, which are mitable for animals."

CONTINUATION OF REMARKS ON THE EDICTS OF FIYA-DASI, OR ASOKA, THE BUDDHIST MONARCH OF INDIA, PRESERVED ON THE GIRNA'R ROCK IN THE GUJARA'T PENINSULA, AND ON THE DHAULF ROCK IN KATAK, WITH THE DISCOVERY OF PTOLEMY'S NAME THEREIN.

(Read at the meeting of the Asiatle Society of Bengal, on the 4th April, 1828).

In continuation of the discovery I had the pleasure of bringing to the notice of the Society at its last meeting, I am now enabled to announce that the edicts in the specient character from Gajarat do not confine their mention of Grock sovereigns to Antiochus the ally of Asoka, but that they contain an allusion, equally authentic nod distinct, to one of the Ptolemies of Egypt! The edict containing this highly curious passage is in a mutilated condition and at the very end of the inscription, which will account for its having bitherto escaped my attention. As I propose to lay before the Society a brief account of the whole of the Oirnár inscription, I will do no more than mention the fact at present, reserving the particulars until I came to the actual position of the passage on the stone.

I have already mentioned the fortunate discovery of a duplicate of

the Qujarat inscription, at Dhaulf, in Katak.

The divided sentences, or, as I shall for the present venture to call them, the edicts, which are common to Girnár and to Dhaulf, are cleven in number. From the first to the tenth they keep pace together: the only difference being that while, at Girnár, each is surrounded by an engraved line as a frame; at Dhaulf, the beginning of each edict is marked by a short dash. The regular succession is then interrupted by three interpolations at Girnár; after which, the fourteenth edict of that series is found to correspond with the eleventh or candiading one of the same set at Dhaulf.

The three missing edicts are more than compensated at Dhaulf by the introduction of two others not found at Girnár, one at the end enclosed in a frame, and one on the left hand of the same rock on a larger scale of sculpture; but both of these being of a totally different purport, and being quite anconnected with the rest, I shall postpone

for separate consideration.

That the edicts are of different dates is proved by the actual mention of the year of Plyadasi's reign, in which several of them were published. Two of them are dated in the touth | and two in the twelfth year after his abbieck or consecration, which we learn from Turnour's Pall history did not take place until the fourth year of his encosmon to the throne of his father, Bindasaro. Only one of the pillar edicts is dated in the twelfth year; the remainder, generally, bearing the date of the twentyseventh year; and one containing both, as if contradicting, at the later epoch, what had been published aftern years before. From this evidence we must conclude that the Gujarit and Katak inscriptions have slightly the advantage in unsiquity over the Lats of Dihli and Allahabad: but, again, in the order of sequence, we find edicts of the twelfth your preceding those of the tenth; and we learn expressly from the fourteenth edict that the whole were engraven at one time. Their preservation on rocks and pillars therefore must be regarded as resulting from an after order, when some re-arrangement was probably made according to the relative importance of the subjects.

The copy that emanated from the palace must, however, have been medified according to the vermacular idiosa of the opposite parts of India to which it was transmitted, for these is a marked and peculiar difference, both in the grammar and in the alphabet of the two texts, which demands a more lengthened examination than I can afford to introduce in this place. I shall, however, presently recur to this subject, and, at least, give the explanation of these new characters which I have been obliged to cut in order to print the Girnár text, and which, in fact, render the alphabet as complete as that of the modern Páli.

I use these terms as more consument to our idiom: the correct translation is 'having been consecrated ten and twelve years,' so that the actual period is one year later in our mode of recketing.

wanting only the two additional sibilants of the Devanagari, and some of the vowels.

There is another paragraph at Giruár placed at the bottom of the left hand, which I have numbered as the thirteenth, because it seems naturally to follow the paragraph about conversions; and like the two foregoing it is omitted at Dhaulí. From the mutilated state of the rock in this place it is difficult to put together the context of the entire paragraph; but insulated phrases are intelligible enough, and are much in the same strain as the main inscription, repeating the usual maxim of duty to parents, humanity to animals, and liberality to priests.

But there is a further passage in this Gujarát edict more calculated to rivet our attention than all that I have briefly alluded to above, or even than the mention of Antiochus in the second or medical edict. Although we might be agreeably surprised at finding the name of a Greek prince of Syris preserved in the preclamation of a Hindú sovereign, there were circumstances of alliance and connection in the histories of the Macedonian provinces and of India, which immediately explained away the wender, and satisfied us as to the likelihood of the fact;—but I am now about to produce evidence that Asoka's acquaintance with geography was not limited to Asia, and that his expansive benevolence towards living creatures extended, at least in intention, to another quarter of the globs;—that his religious ambition sought to apostolize Egypt;—and that we must bereafter look for traces of the introduction of Buddhism into the fertile regions of the Nile, so prolific of metaphysical discussions from the earliest ages!

The line to which I allude is the fifth from the bottom. Something is lost at its commencement, but the letters extant are, with few exceptions, quite distinct, and as follow:—

PTW D.R. TWY. NTS YINTY CAY TTLEM. GYT GELLE-I VIRI 9 7 4-3-T9 RV9 ··· : DEIMANG WOY MY.

. . . Your rijis paran cha, tena Chaptare rijiina, Teramiye cha, Gengokena cha, Magi chi,

. . . éthé para de (pi) su che assata Dermampigusa d'homménupastin ansovetare yeta pandeti († dinomanastin annovariate yetra pildyste).

'And the Greek king besides, by whom the Chapts kings, Ptolemalos, and Gongokenne (?) and Magas,'—(here we may supply the connection)—'have been induced to permit that—'1

*Both here and in foreign countries, everywhere (the people) follows the doctrine of the religion of Devanampeya wherescover it reacheth."

^{&#}x27; [In the fall translation subsequently given, 'Jour. As. Soc. Bon.' vii., p. 261, the words are, 'And the Greek king bendes, by whom the Kings of Egypt, Ptolemaios and Antigonor (?) and Magas' . . .]

The sight of my former friend, the year raje (whom, if he should not turn out to be Antiochus the ally, I shall shortly find enother name for), drew my particular attention to what followed; and it was impossible, with this help, not to recognize the name of Ptolemy even in the disguise of Turamaye. The r is however doubtful; and I think, on second examination, it may turn out an I, which will make the orthography of the name complete. The word rajone, and its adjective chapters, being both in the plural, made it processary that other names should follow, which was confirmed by the recurrence of the conjunction cha. The pext name was evidently imperfect; the syllabic letter, read as gon, if turned on one side would be rather as, and the next, too short for a g, might, by restoring the lost part above, be made into h; I therefore inclined to read this mans # 161 Antibons for Antiquwas; and, assuming that chapters was a corruption of chateedre, 'four,' to understand the passage as alluding to a treaty with the four principal divisions of the Alexandrine menurchy, two of which in the time of Antiochus the Great were governed by princes of these names, viz. : Antigonus, in Macedonia, and Ptolemy Euergetes, in Egypt. fourth name, however, thus remained inexplicable; while on the stone it was even more clear than the others, Mand. ... It seems, therefore, more rational to refer the allusion in our edict to the former period [B.C. 260], and so far modify the theory I have letely adopted on premd facie evidence of the treaty of Anoko with Antiochus the Great, as to transfer it to the original treaty with one of his producesors, the first or second of the same dame, Soter or These, of whom the former may have the preference, from his close family connexion with both Ptolemy and Magas. . . . I my nothing of the intermediate name, Gongalena or Antigonue, because I cannot be certain of its correct spelling. Antigonus Genetus had much to do with the affairs of Rgypt, but he could not well be set down among its kings.

[I again take advantage of Prof. Wilson's most elaborate revision of Prinsep's original translation of this Tablet, prefixing the Romanized variants of the different texts.]

K	emystans	Antiyako	MARKS	yona	rige	parancha	tons	
GA	A. V. Cale	11.5	151.9	yvex	Phija	puruncha.	fema	
K	Antiyokimu	chaturo	nn	rajano	Turse	perancha mrs nama	tena An-	
G a	A 10	chaptaro chaptaro	10 m	rigins	Turan		An-	

^{1 [}To the effect that Antiochus the Great was the manurch of the name re-

K	tikona	104804	Make	metha	Alikasunari	District	Bhichha
Ga	takunn	cha	Maga	cha			
GA	takana	who	Mark	da	10000	1 212	

The division of the Girnar inscriptions, numbered by Princep as thirteen, finds a counterpart at Kapur di Giri; but unfortunately, it is not of a nature to supply the defects and imperfections of the Girnar tables. As mentioned by Prinsep, the rock at Girnar is at this part so much mutilated, that it is difficult to put tegether the context of the entire tablet: portions of the inscription are wunting at vittar end of such line, especially at the heginning, but the middle portions are tolerably perfect. The rock at Kapur di Giri has not apparently suffered much mutilation, and the inwription is consequently more complete, supplying the words offered from that at Girnar; but it is not only in this respect that it exceeds in length the Girnar inscrip-There are evidently additional passages which the latter does not contain, and which intervene between what are apparently intended for the same passages to both places; on the other hand, there are several obliterations or deficiencies in the Kapur di Giri inscription where that at Girnfe is cetire. In collating the two, therefore, wide gaps occur without a parallel, partly owing to these respective mutilations,partly to the additional matter at Kapar di Giri. From place to place, however, concurrent passages do scene, which leave no doubt of the general identity of the inscriptions, as will appear from the pellateral every.

It happens, however, still unfortunately, that moiling the additional, nor those which are evidently identical passages in the Kapur di Gir inscription, are for the major part to be astisfactorily deciphered. The circumstances under which the characters were transcribed east-cently account for the disappointment. Massen has explained the impossibility of taking a far-risalle of this part of the inscription, and he was obliged after many fruitiem efforts to effort his purpose, to be content with carrying off a copy only. But the position of the stone, which prevented a fac-simile from being made, was also obviously enfavourable to the making of a faithful copy; and it is not at all therefore to be wondered at, that the forms of the letters should have assessed describes appearance, differing experimently in different parts of the inscription, in words which there is reason to believe the same; and varying from one untilize is words which from one or two distinct characters are known to be identical, as for instance in Decrease prox, in which the latter term is generally logible, and we may therefore infer that downess precedes it; but, without such a golds, it would be impossible to read decesses, as it presents itself in a number of different and namual forms. Massen's copy, however, is more legible than one made by a mative employed by M. Court, the use of which has been kindly allowed to the Society by Lasers. In this, very few words can be usede out, even by conjecture, and with the assistance of Masson's transcript. It has not, however, been wholly unservienshie.

Primup has rentured to propose a sociations translation of the Thirteenth Tablet, although he admits that insolated pleases alone are intelligible. Such is the case in the Kaper of Giri inscription; and it were very master to propose anything like a connected rendering, even of what is perfect, although a few worth and phrases are decipherable, and may be compared with similar words and phrases in the Giratr tablet. In most of these passages, however, the reading of the original itself is conjuctural only, for it will follow from the sources of imperfection described, that although a transcript has been attempted as above in Boston characters, yet no great reliance is to be placed on the greater part of it, particularly where parallel passages are not found in the Giratr inscription.

Deficiencies at the end of the seventh und beginning of the eighth line at Girnar, are rather more than adequately filled up at Kapur di Giri, and some of the additional matter is important. The name and designation, dutivels none your Rejs, are given distinctly; why he is introduced does not very well appear, but we might venture to connect it with what precedes, and to interpret and all up the passages thus: 'He who had obtained the alliance of man-he has been received as the friend of (me) Devanampriya. ' we have for this conjectural condering. Decases prepass; then some unreadable letters, amagapi (for somograpi) yo jamasa (en) sanyatasa. At Cirale we have only your Egir, but no name, no Antioches, nor any circumstance relating to him. Both inscriptions next read persechs, 'and afterwards;' the Girnar has then tone, 'by him,' which, as no name was specified, Prince necessarily interpreted, 'by whom' (rather 'by him,' the Greek king). In the Repor di Girl tablet, tesa refers of course to Antinchus; but, not to have any doubt on this core, the inscription repeats the name, and gives us tone Antipolona, 'by that Antiochus;' thus furnishing a very important illustration of the Girole tables. What then was done by him? by that Antiochus ? this is not to be made out very distinctly; but, connected with what follows, it may be conjectured to unply that four other Greek princes were brought under subjection by him. There can be an doubt that the numeral which Princep road chapties in, properly, chatture. There is no p in the Kapur di Giri imeription ; it is, clearly, shadars, with the usual disregard of purrent arthography and identification of long and short vowels. In the Greate inscription the form is like pt, no doubt; but this combination, as already observed, treating of Tablet XII, is so utterly repugnant to the most sharacteristic feature of Phis, that it cannot be allowed; and in this case, if the original word intended to be the Sunskell numbers obstudes, the p would be gratuitously inserted. The only admissible reading is chattere, the regular Pali form of the Sanakrit character four indicting marks follow the numeral in each inscription, being probably intended for figures equivalent to four. We then have the several names of the four princes remarkably distinct, and it lockly happens that M. Court's copy is also very logible in this passage, and entirely confirms Masson's readings. The passage runs then: The mater some, Antilena name, Make name, diffusioner name. At Girnar the last name is wanting, there being some letters obliterated. We have also some variation in the reading, but not meterial, the names being there, Toroscipe che, Antalona che, Mape che, The two inscriptions give us, no doubt, the passes of four Great prisons, of whom Ptoleury, Antigonus, and Magus may be readily recognized, although, how they come into juxta-position with Anticebus on the one hand, or Alexander on the etier, is only to be explained by the supposition that, although those sames had from their selebrity reached the west of India, the history of the persons so pecual was raquely and incorrectly

We shall, however, recer to the subject: at present we are only concerned with the purport of the inscription, which is unfortunately by no means distinct. We have the order, by that Antischus four Yavuma kings, were :—what? neither inscription enables us to answer: the Girake inscription being in fact here mutilated. Prinsep, in his introductory remarks, supplying the connection conjecturally, fills up the blank by reading. And the Girake king busites, by when the four kings have been induced to permit, but there is usthing to warrant such a translation; and in the actual rendering of the passage the latter clause is untited: we there have, 'and the Greek king, besides, by when the kings of Egypt, Ptolemaios, Antigones (?), and Magas, ste.', and then follows a blank. The Kapur di Giri inscription, although entire, presents characters of undetermined value, and probable insecuracies. The

liest term, likkirkka thana, is very doubtful; the next appears to be juparata, which might be rendered 'victorious,' in the instrumental case, agreeing with Autipoleous: amenta is doubtful, buth on to reading and sense; we use multi passe rejents might be rendered 'they who (the kings) become his friends, again chine (or onjoy dominion)." We may also render one he green facts much, 'much, indeed, is the Tavana become, of whom; there then follow some indistinct characters, and the please some to terminate with mit: At 1ste, 'friendship or alliance has been ende.' This I admit is very conjectural, and a corrected copy or a better founded interpretation of the original may show it to be wholly erroncess; but, in the present state of the inscriptions we may horsel the somjecture that the purport of the whole passage may be, that the four princes, after helpy overshrown by Antinches, had been researched to him, and that an alliance had then been formed between him and the Indian prince Decapitys. There is nothing whatever to justify the exposition that Devapriya had attempted to make renverts of the Greek princes, or to dissensuals the destrines and practices of Buddhum in their dominions.

The state of this transcript of the Kaper & Girl inscription is very far from satisfactory, while, from the mannes it respects, it appears to be of great historical value. It would be very desirable to have a fee-simile country to the part of the country in which it is elected to new within the roach of British influence, it might be possible, perhaps, without truck difficulty, to have such a copy. In the 'Jour, As. Sor. Bong.', Feb. 1848, Capit Constants mentions, in his Diary, his having visited the spot, and inken a copy of the most legible pertion of the inteription.' he adds, however, that a proper copy could only be taken by levelling the ground and lumbing up platforms, and by white-mashing the surface of the rock to bring out the number latters, a work of time, but which would well repay the labour.

[Prof. Wilson, it will be seen, promised to recur to the subject of the identities of the kings maned in the inscription; he does so—while contesting the identity of Piyadasi and Asoka—to the following effect]:—

So that neither of these epithets (Principressus, or fin-dersons), is exclusively restricted to Asoka, oven if they were ever applied to blue.

That they were so applied is residered dealerful by chromological difficulties, of which it is not easy to dispose: Piyakini appears to have level, either at the same time with, or subsequent to, Antischun. Could this have been the case if he was Asoka? For the determination of this question, we must investigate the date at which the two princes described, as far as the tasterials which are available will permit.

The first point to be adjusted is, which Antiochus is referred to. There are several of the name amongst the kings of the Sciencidas dynasty, whose every commencing in Syria, extended at various times, in the early periods of their history, through Persia to the confines of India. Of these, the two first, Antiochus Soter and Antiochus Theos, were too much taken up with securemees in Graces and in the

I A lithograph, by T. Block, of Calcutta is now before me, which purposes to give, under Mr. J. W. Laidley's authority, the 'Inscription at Shih-bar-garki, copied by Captain A. Canningham.' The faccionite is defective and erroneous to a marked degree. As it does not bertude the thirteenth tablet, it affords no aid in determining the probable orthography of the dealetful masses. Major Cusuingham's own version of the lifth names is quoted at the first of p. 26.]

west of Asia, to maintain any intimate connection with India, and it is not until the time of Antischus the Great, the lifth Schoulden monarch, that we have any positive indication of an intercourse between India and Syria. It is recorded of this prince that he invaded India, and formed an alliance with its savereign, named by the Greek writers, Sophagusema, in the first member of which it requires the etymological courage of a Wilford to discover Asaka. The late Augustus Schlegel conjectured the Greek name to represent the Sanakrit, Sankhileya sons, he whose army is attended by prosperity; but we have no make prince in Hinda tradition, and it could scarcely have been a synonyme of Asaka, the literal ones of which is, he who has no sorrow. Neither is Suphagusemas more like Plymbos, and so far therefore we derive no assistance as to the identification of Antischus. Still, with reference to the facts, and to the allianon to his victorious progress, which Tablet XIII, means to contain, we can soarcely doubt that he was the person intended, and that the Antischus of the inscription is Antischus the Great, who assended the throne, a.c. 225, and was killed, a.c. 187. The date of his centern expedition is from a.c. 212 to a.e. 205.

There is, however, an obvious difficulty in the way of the identification from the pames of the princes which are found in securities with that of Antischus, and which the thirteenth Tables appears to recognitulate as those of contemporary princes. -subjugated, if the evajorized interpretation be correct, by Authorhua. With respeet to one of them, Ptolemy, this is allowable, for Antiochus the Great engaged in war with Ptolomy Philopator, the fourth king of Egypt, with various species, and concluded peace with him before he undertook his expedition to Bactria and Iudia. He therefore was consumperary with Assistantes the Orest. It is, however, to be recollected that Pfolony Philopator was provoked by three other princes of the same nome, Ptolemy Soter, Philadelphae, and Ptolemy Racogetes, -extending through a period of rather more than a century, or from n.c. 221 to n.c. 221. These princes were frequently employed in hombittee with the fielesciden kings of Syria, and we cannot therefore positively determine which of them is referred to in the inscription. The long continuance of the same many, however, among the kings of Reppt, as it was retained until the Roman conquest, no doubt made it familiar throughout the East, and we need not be earprised to find it at Kapur di Giri or

The same circumstance will not account for the insertion of the name of Moke, probably Magas, for although there was such a prize, he was far removed from India, and of no particular adoptity. Magas was made ruler of Cycene by his father-in-law, Ptolemy Soler, the first Greek king of Egypt, about a.c. 508. He had a long reign of fifty years, he a.c. 258. He was not, therefore, tentemporary with Antiochus the Greek, dying thirty-five years before that prizes's accounted. He was connected with Antiochus Soter, having convict his daughter, and entered into an alliance with him against Ptolemy Philadelphos,—and this association with the names of Antiochus and Ptolemy, generally but not accurately known, may have led to his being enumerated with the two other primers of the same designation, Ptolemy Philopator, and Antiochus the Great. There was a Magas also, the lauther of Philopator, but he is of no historical note, and was put to doubt to the Magas of Cyrone.

It is impossible to explain the juria-position of the other two names, Antigorous and Alexander, upon any principle of chromological computation, although we can easily comprehend how the names were bendliarly known. That of Alexander the Great must of course have left a durable impression, but he is anticodent to any of his generals who made themselves kings after his death. It is very unlikely that his

see Alexander, who was not been till after his death, and from the age of three years was brought up in Macedenia, where he was mardered when only twelve years old, should be the person intended, and a greater probability would attach to an Alexander who was Satrap of Persia in the beginning of the reign of Antiochus the Great, and rebelled against him. He was defeated and killed, a.c. 223. So for therefore we have an Alexander contemperary with Antiochus, if that he thought essential; but it seems more likely that here, as in the case of Magus, the concurrence of sames is no evidence of synchronism, and prices from the same being furniliarly known without any exact knowledge of the persons by whom they were borns.

Such asems to be the case also with respect to Antigonus. The most celebrated of the mane, Alexander's general who succeeded to the severeignty of Parygia and Lyein, extended his authority to the East by the defeat and death of Euromas, and his name may frue leave become known in India, although the scens of his victories over his rivel was accessful remote from the frontier, or in Persia and Media. The latter portions of his curver were confined to Asia Minor and Greece, and he was killed a.c. 201. He was contemporary with the first Ptolomy, but not with Antischus, loving been killed twenty years before the accomion of Antiochus Notes. We have another Antigones, the grandess of the preceding, who was sontemperary with Antischus Seter, but his life was spent in Macedonia and Groote, and it is not likely therefore that any thing about here been known of him in India. It can only be the first Antigones whom designation reached an Indian prime, and the mention of him in ampliantion with Pinlemy, Antiochus, Magus, and Alexander, shows clearly that the chromology of the inexpelses was niterly at fault, if it intended to sanign a continuously enlatence to prisons who were scattered through, at lead, an interval of a century. We must look, therefore, not to dates, but to the notoriety of the names, and the probability of their having become known in India, for the identification of the persons introded. Under this view, I should refer Alexander to Abeninder the Gross, Antigonas to his accessor, Magas to the con-in-law of Ptolemy Philadelphus, Pushency to aither or all of the four first princes of Egypt, and Antimings to the only one of the number who we know from chancel record did visit India, and who, from the purport of the incriptions, we may infer was known there personally,-Antiochen the Great. In this case we obtain for

If I append Major Causinghase's critishm on these arguments.] 'The minor difficulties of deconology, which form Prof. Wilson's last objection ('Jean, Ray, An Soc.,' vol. vii., p. 244), are easily disposed of, for they some to use to have arisen adely from the coronecom monaption that Priyadara must have been a contemporary of Anticolom the Great. In the Girair and Kapper di Giri rock inscriptions, King Priyadara montions the names of live Greek princes who were contemporary with himself. Of these four have been read with certainty—Anticolom, Prolemy, Antigonus, and Magas; and the fifth but been conjectured to be Alexander, James Princep, who first read these sames, assigned them to the following princes—Anticolom, No. 285—246; Antigonus, Gombus of Masselon, R. c. 276—213; Magas of Cyrene, a. c. 285—246; Antigonus, Gombus of Masselon, R. c. 276—213; Magas of Cyrene, a. c. 285—246; Antigonus, Gombus of Masselon, R. c. 276—213; Magas of Cyrene, a. c. 285—246; Antigonus, Gombus of Masselon, R. c. 276—213; Magas of Cyrene, a. c. 285—246; Antigonus, Gombus of Masselon, R. c. 276—213; Magas of Cyrene, a. c. 285—246; Institute the formed of Europe have generally agreed. The fifth name has been read by Mr. Nerris as Alexander; and if this reading is correct, we may identify this Prisse with Alexander; and if this reading is correct, we may identify this Prisse with Alexander II of Epciros, who reigned from n.c. 272–254; but the two copies of this name, published by Mr. Norris, from facsinities by Massen and Court, appear to me to read Ali bits Sanari, which may be intended for Arieburgares III., King of Pentan, who reigned from n.c. 266–246, Sanbrity preceding the first best of Magas, "Ethion Topes," p. 111. 'To some it taxy seem difficult to medicated how any relations should raise between the Indian Aroka and the Greak prises of Europe and Africa, but to me it appears natural

the date of the inscription some period subsequent to s.c. 200, at which it seems very unlikely that Asoka was living.

To obvious the chronelogical difficulty it has been suggested that the Antiochus alluded to is not Antischus Muraus, but Antischus Thosa, who reigned from n.c. 261 to a.c. 246, and who would therefore be contemporary with Asoka. This is no doubt true, but as infinisted above, kinternal events are copused to the maintenance of any friendly conjugator, between the princes of India and Syria during the reign of Antiochus Those. At its very commonwords he was involved in hostilities with the King of Egypt; the war continued during the greater portion of his reign, and amount its results, were the neglect and loss of the Eastern provinces. Media and flustria bosume independent principalities; and their geographical, as well as political position must have completely intercepted all communication between India and Western Acre. It is very unlikely that an Indian according would have pronucleated any alliance with the enemy of his immediate neighbours, and we should rather limb for the names of Armon or Thousands in his edicts, then that of Anthorise. Three. We reased, therefore, spee historical grounds admit the identity of the Arctionne of the (asserptions with Astiochus Thou, my more than we can coupling an alliance between Aroles and Antischus Magnus, on chronologically probable upon our promises as we derive from classical Panrente, and partly Buddhist duty.

If, indeed, we are guided which by the latter, we shall render the synchronism of the two propose still more impossible. According to the Dipavenus and Mahiswarm. Diarmonia was imaginated two baseled and eighteen years after the death of Hubbles; his inauguration took place four years ofter his accession, and we place the latter therefore two knowled and thirteen years after the Kirvan of Gautama. The date of this event was no \$13, and \$43 -214 a. c. \$25, and Areks, therefore, mended the throne, separaling to the Buldblotz, before the invision, not of Antiochus, but of Alexander the Great. This, histories, sugai he wrong, and Mr. Turnour neknowledges that the chosenlogs of the Buddhist chronicles is here at field; bu maker the every amount to about craty yours, and conscieve that it was an intentional viliation of the chemology: with what purpose he has not explained. It is enough for us to determine that Asoka cannot have been the cotemporary of Antiochus the Great, according to the circulary vittor of Brokens or Duidhist. That Fivaduri was the extraporary of Antischus, or even posterior to bins, is evident from the inscription, and therefore Piyadad and Asoks are not one and the some person. That Asoka became a convert to Buddleses after commercing his reign as a susquinary tyrant, may or may not to true; we have only the assertions of the Buddhick for the fact. But allowing it to be true, if Aseks was not the author of the edicts in question, to inference of their Buddhist character can be drawn from his conversion to the faith of Buddha, and the uncertain evidence affected by their language is not condered low equivocal by any positive proof of fasir having been promulgated by a prince who was a gualant putern of the discretion of Sakyminha,

But who then was Prevaled, the beloved of the gods? This is a question not early answered. The term is according an epithet applied to more than one individual, and not the proper designation of any one person exclusively. We have

and obvious. Asola's kingdom on the west was bounded by that of Antiochus; his father, Bindowkin, had received consists from Antiochus, Seter, and Ptolemy Philadelphus; and as Aroka was 45 years of age when he was imagurated, in a c. 259, he might have conversed with both of the Greek ambassadors, Daimachus and Discovius."—112

no such name in any of the Brahmaniesi traditions, and find it in the Buddhiet, so indicating a sovereign prince, to whom it could not have been applied consistently with chronological data, upon the authority of a work of the fourth century of our ern. That any uncertainty with regard to its appropriation should exist, seems very incompatible with the extent of the dominious ruled over by the primes of the inscriptions, as far as we are to infer, from the sites in which they are found, as Gujarat, Katak, Behar, Dihli, and the Psujah. A memorch, to whom all India, except the extreme south, was subject, must corely have left some more positive frace of his existence than a more epithet, complimentary to his good looks, and shared with many others of equally plussing appearance. That such almost universal sovereignty in India was ever exercised by a single prince is extremely improbable, and it is underliable, from the evidence of the inacriptions thousander, that they have not been sculptured, in the altuations in which they occur, colongeraneously with the year of my individual reign. Thus, in all the rock inscriptions, the third and fourth edicts are mid to be issued in the twelfth year of Psyndaei's inauguestion; the 16th and eighth, in the tenth year: the two later edicts, in point of time, taking precedence of the two carrier, in the order of inscription—an atter impossibility. We can only infer, therefore, that they were simultaneously inscribed. Mr. Princep. states, that it is so specified in the Pourteenth Tablet, but I am enable to understand the passage in that mean. That it was the case, however, is obvious, from the inverted order of the dates, and from the uniform appearance of the inscriptions. The whole must have been set, therefore, it some subsequent period to the latest of the dates. How long subsequent, is another question of impossible solution; but it is very improbable that the rocks of Gayarat, Dhaeti, and Kapur di Giri, were all engraved at the many time. The operation must have been spread ever some years, and it is not likely that it was subsequent to the date of their reputed author, if he ever had a real axistence. It seems, however, not improbable, that the rulers of the several countries, or influential religious possess, adopted the shadow of a name, to give authority to the presculgition of silicia intended to reform the immoral practices of the people, and for that purpose reproted documents which had acquired popular celebrity in some particular locality not yet ascertained.

From these [and other] considerations, I have been compelled to withheld my annualified assent to the confident spinsons that have been entertained respecting the object and origin of the invertebras. Without denying the possibility of their being intended to disconitiate Euclideans, and their emenating from the Maurya prince Asoka, there are difficulties in the way of both conclusions, which, to say the

least, render such as attribution extremely uncertain.

[I have allowed Prof. Wilson to state his doubts and difficulties at greater length than I should have conceded to him, had I not been prepared to contest his leading inferences.

I do not, however, design to enter upon any critical examination of the minor evidences and coincidences the Professor has sought to reconcile; as, with a doubtful text, an avowedly imperfect interpretation, with one of the historical names only partially legible and dates conflicting inter w, the most elaborate solution could not but fail to prove unsatisfactory. And further,

I am disposed to accept, with added force, all that portion of the Professor's deductions which implies crass ignorance of Syrian and Greeian events on the part of the compilers of Piyadasi's Edicts. Still, there are some obvious facts upon which we may fairly speculate. It is clear that Antiochus, as spoken of in these inscriptions, was, at the moment of their composition, the most prominent personage of the western world within the ken of the Indian court. That Antiochus sale is the sovereign alluded to many miscellaneous items of evidence, now available, tend to show. These points being admitted, it would seem to follow, from the expressions made use of in the second tablet, that the defection of the Bactrians under Diodotus-assigned to 250, s.c.-had not, up to this time, developed itself. The allusion to the four kings it is less easy to explain, nor is it obvious why that particular number should have been selected. As the text does not emble us to say what position these kings held in reference to the more influential Antiochus, speculations on this head must, of course, be next to fatile. Certainly the satisfactory explanation of the coincidences of the given names, with any combination of the thenexisting monarchical distributions, remains to be accomplished: whether the record aimed at a mere vague selection of the more generally known Greek names to complete the list, or whether, as is just possible, there was some indefinite remembrance of the quadruple alliance (311, n.c.), of which Seleucus was the subordinate confederate and local representative during his Indian expedition, and of the eastern rights and titles of which Antiochus became the apparent heritor, it would be rush to assert; but it is clear that the designations of two of the parties to this league open the list, and whether Magas represents the Cyrenisn, or some other of the name, or stands as the curtailed corruption of that of Lysimachus, while Ali Kasunari may ¹ Masson's eye-copy of the Enpur di Giri inscription may be variously read, Ali Kasanari, Ali Kasanari, er, doubtfully, Ali Kahasznari. The initial letter is very uncertain, and might almost be read as a G. The third letter differs materially from the ordinary Bi's, and must either be the simple E of Court's copy or some compound of Sh, under Masson's representation.

chance to do duty for Alexander, Cassander, or some living potentate whose cognomen had but lately reached Indian cars, we need scarcely stop to inquire.

In his first paper' on the Girnar, Dhauli, and Kapur di Giri edicts, Prof. Wilson expressed an opinion that, 'although the tenor of the inscriptions was not incompatible with a leaning to the religion of Buddha, yet the total absence of any reference to the peculiarities of the Buddhist system, left some uncertainty with regard to the actual creed of the raja, and his intimate connection with the followers of Buddha."

In a subsequent article on the Bhabra inscription' the Professor frankly admits that, 'although the text is not without its difficulties, yet there is enough sufficiently indisputable to establish the fact, that Priyadasi, whoever he may have been, was a follower of Buddha." Our leading Orientalist, it will be seen, still besitates, therefore, to admit the identity of Priyadasi and Asoka. With all possible deference to so high an authority, I am bound to avow that I see no difficulty whatever in the concession. We may stop

^{&#}x27; Jose Ray As Sec.', vol. xvi. (1859), sted searly in extense above.
' Jear Ray As Sec.', vol. xvi. (1859), p. 357. Supra vol.
' The inscription open thes: 'Priyades, the king, to the resemble assembly of Maratha, commands the indiction of little pain, and indulgence to animals. It is verily known, I procision, to what extent my respect and favor (are placed) in Buddha, in the law, and in the assembly. Whatsorter (words) have been epoton by the divine Buddha, they have been well with, who —Sec also Joer As Sec Beng,' 1840.—Lasson 'Indische Ak' ii. 221. [I same to these none on the Blabru inscriptions some interesting speculations of Bearward's, as to the nature of the monument itself, and the probable purpose for which it was shaped.] 'Cost, sinci que l'a bien vo M. Ettice, one marire advesses par le vel Pyndoni à l'Assemblée des Religioux réunis à Pâtalapura, capitale du Magacha, pour la suppression des schiemes qui s'etaliant divvis parma les Religioux buddhistos, meemblée qui, eston le Mahavaines, cut hou la direceptième unnée du règne d'Açèka. La forme est en elle-néeme bie-resenaguable. L'inscription, en effet, n'est pas gravée consus les autres monuments de en genre qui poctent le nom de Piyadus, soit sur une colonne monolithe, soit on le series d'un rocher adhérant ma ficuse d'une montagne. Elle set écrite, et très seignements, tur un bice détaché de granit qui n'est ni d'un volume ni d'un public manidécable, n'ayant que deux piede Anglais sur deux de ses dimensions, et un pied et demi sur la troisème. Ce bloc, de forme irrégulière, peut être assemnt transporté. . . C'est une lettre que le roi n fait graver sur la pierce avec l'intention avende d'asserte la durée de cette expression à claire de son erthebasie, peut-être seast avec selle de faire transporter facilement et shrement cette singulière missive dans les diverses parties de l'Inde en se treuvrient des Religieux . Phiescription ent écrite dans l'annien dialecte Mignelhi.'—' Le Lotus de la home Lei,' p 727, 728.

short of absolute and definite proof, that Asoka enunciated his edicts under the designation of Priyadasi, 'the beloved of the gods;' but all legitimate induction tends to justify the association, which is contested by no other inquirer.' To assert that the edicts themselves do not accord in spirit with the exclusive intolerance attributed to Asoka by his Buddhist successors, is merely to show that they misrepresented his aims and desires in this respect, as they palpably misinterpreted and altered many of the original tenets of the religion itself.

As a fitting conclusion to these commentaries, I append Prof. Wilson's remarks on the language of the edicts:—]

The language itself is a kind of Pull, offering for the greater portion of the words forms analogous to those which are modelled by the rules of the Pali grammar still in use. There are, however, many differences, some of which arise from a clause alboronce to Sanskrit, others from possible found possibarities, indicating a yet unmitted state of the language. It is observed by Mr. Princep, when speaking of the Lat inscriptions, "The isagings differs from every existing written idiom, and is as it were intermediate between the Sandret and the Pall," The names and particles in general follow the Pall structure; the terbs are many frequently meaner to the Sanskrit forms; but in seither, any more than in grammatical Phil, is there ony great dissimilarity from Samkrit. It is carious that the Kaper di Giri inscription departs less from the Sanskrit than the others, relaining some compound community, as or in priva instead of Piya; and having the representatives of the three sibilants of the Devanagart alphabet, while the others, as in Pall, have but one similant : on the other hand, the Kapur di Giri inscription omits the sewels to a much grouper extent, and rurely distinguishes between the long and short rowels, possiliarities perhaps not unconnected with the Symitic character of its alphabet.

The exact determination of the differences and agreements of the inscriptions with Pali in the case hand, and Sanskrit on the other, would require a laborious analysis of the whole, and would be scarcely worth the pains, as the differences from either would, no doubt, prove to be comparatively few and unimportant, and we may be content to consider the language as Pali, not yet perfected in its grammatical structure, and deviating in no important respect from Sanskrit. Pali is the language of the writings of the Buddhists of Ara, Siam, and Coylon; therefore it is concluded it was the language of the Buddhists of Upper India, when the inecriptions were engraved, and consequently they are of Buddhist origin. This, however, admits of question; for although the Buddhist authorities assert that Sakya Sinha and his encours taught in Pali, and that a Pali grammar was compiled in his day; yet, on

Turnour, 'Jour. As. Soc. Beng.,' vi. 1050, and vii. 920; Lassen, ii. 271; Personf, i. 633, ii. 778; Curningham, 'Bhiles Topes,' 105; Syken, 'Jour. Roy. As. Soc.,' vi. 460; Müller, 'Buddhoen and Buddhist Pilgrims,' p. 23.

the other hand they affirm, that the doctriess of Huddha were long taught orally only, and were not committed to writing for four contaries after his death, or until n.c. 153, a date, no doubt, subsequent to that of the inscriptions. In fact, the principal authorities of the Cingalese Buddhists appear to have existed in Cingalese, and to

have been translated into PMI only in the fifth century after Christ-

According to M. Burnouf and Mr. Hodgeon, the carlinst Buddhist writings were not Phil but Sanskrit, and they were translated by the Northern Buildhists into their own languages, Mongel and Tibetan. It does not appear that they have any Pali The Chinese have obtained their writings from both quarters, and they probably have Pall works brought from Ava or Ceylon. They have also, according to M. Burnouf, translations of the same Samkrit works that are known in the North-It is by no means established, therefore, that Pair was the mored language of the Buddhists at the period of the inscriptions, and its use constitutes no conclusive proof of their Buddhist origin. It seems more likely that it was adopted as being the spoken hinguage of that part of India where Piyadasi rended, and was selected for his edicis, that they might be latelligible to the people. Hence, also, the coupleyment of different alphabets, thus of Kapur di Giri being the alphabet current in Affrhanistan and Bactria, as we knew from the Greece-Bactrian coins. The new of the provincial or local alphabet was evidently designed for the non-remience of those to whom it was familier, while the ancient form of the Devachgari was that employed in Hindustan as being there in general one. The popular curvescy of the language, admitting that is might have been the speken dialoct of the north-west of Irolia, would be more likely to prevent, than to recommend its use at a 'sacred' language, and its being applied to such a purpose by the fouthern Bucklhists was in more degree probably owing to their being as a people ignorant of it, and it would then seeme in their eyes a sanctity which as a spoken dislock it was not likely to passess. At the smoo time, we can scarcely suppose that the language of the inscriptions was understood in all the countries where they have been dissevered, beyond the Indus, at Dihli, in Bohne, in Orison, and Oujur'st, whose we know that very different dialects, however largely borrowing from a common source, at present prevail. Neither is it likely that edicts intended to regulate the moral conduct of the people at large should have been intelligible only to Ruddhist priests, or thould have been perpetuated as pillure and rocks solely for their edification. We may therefore recognise it as an actually existent form of speech in some part of Index, and might admit the testimony of its origin given by the Buddhists themselves by whom it is always identified with the language of Magnetha or Behar, the mean of Sakya Sinka's first teaching-but that there are several differences between it and the Magadhi, as Inid down in Prakrit grammars, and as it occurs in Jain writings. It is, so Memrs. Burnouf and Lucsen remark, still nearer to Sanskrit," and may have prevailed more to the north than Bahar, or in the upper part of the Doah, and in the Panjah, being more analogous to the Soursseni dialect, the language of Mathura and Dihli, although not differing from the dialect of Behar to such an axiont as not to be intelligible to those to whom Sakya and his successors addressed thousalves. The language of the inscriptions, thou, although necessarily that of their date, and probably that in which the first propagators of Buildhism expounded their ductrines, seems to have been rather the spoken language of the people in Upper India, than a form of speech peculiar to a

¹ Turneur's 'Introduction to the Mahawanas,' xxii., Sa Măgadhi mula bhāsa.
² Essui sur le Pâli, p. 187, 'La Palie était persons identique à l'idionae moré des Benhmanes, pares qu'elle en dérivait ésunédiatement.'

class of religionists, or a secred language, and its use in the edicts of Fiyadasi, although not incompatible with their Buddhist origin, cannot be recepted as a conclusive proof that they originated from any possibler form of religious belief.

[In a subsequent paper on Buddha and Buddhism' (J.R.A.S., xvi. 229), Professor Wilson enters more comprehensively into the linguistic question touched upon in the above note: the following extracts will put the reader in possession of that author's present view in regard to the comparative antiquity of the use of Sanskrit and Páli in the Buddhist Scriptures:—

The great budy of the Buddhist writings consists arowedly of translations; the Tibeton, Mongolian, Chinese, Charalese, Bureaue, and Starnese insole, are all declaredly translations of works written in the language of India-that which is commonly called Forcer more currently Fundament, 'or the language of the Brahmans;' and then come the question, to what language does that term apply? Does it mean Sunskrit, or does it mean Pall, involving also the question of the priority and originality of the works written in those fourtures respectively; the Sandrit works as they have come into our hands being found almost exclusively in Nephl, those in Pali buing obtained chiefly from Caylon and Ava Until very lately, the language designated by the Chimne Pan was enveloped to some uncertainty. The mystery, however, is now cleared up. In the life and travels of Hwan Trang, written by two of his scholars and translated from the Chinese by M. Julion, the matter is placed beyond all dispute by the deweighten and by the examples which the Chinese traveller given of the construction of the Fee language, is which he was himself a proficient, . . We four from him. . . . All this is foundrit, and what is more to the point, it is not Magadhi, the proper designation of the dialoct tormed in India, in his time, was the work of a Bealeman of the north, a mative of Tule or Shiktula, moned Po-mi-ar, or Phaini, the well-known Sanskrit grammacian. The Boddhot authorities of India proper, then, were undeniably Sandrit; those of Ceylon might have been Pidl or Magadhi; were they synchronous with the Sinnkritbooks, or were they older, as were they younger, more ancient, or more modern? . . . We may be satisfied, therefore, that the principal Sanskrit authorities which we still possess were composed by the logisting of the Christian era at loss;; how much earlier is fees emily determined.

We may consider it, then, established upon the most probable evidence, that the chief Sanskrit authorities of the Buddhists still in our possession more written, at the latest, from a contary and a half before, to at much after, the era of Christianity.

Now what is the case with the Pall archerities of the south? . . The principal Pall works of the couth, are, therefore, of a period considerably unbouquent to the Sanskrit Buddhistical writings of India proper, and date only from the 50th century after Christ.

Phil, means -original text, regularity. - Mahn Introd. xxiii.

Professor Max Müller seems to concur in these deductions, judging from his remark:—

"After Buddhism had been introduced into China, the first care of its teachers was to translate the sacred works from the Sanskrit, in which they were originally written, into Chinese."—" Buddhism and Buddhist Pilgrima," p. 24. London, 1897.

Col. Sykes, however, I observe, still considers that he has evidence to show that 'the books taken from India to China by the Chinese travellers between the fourth and seventh centuries were equally in Páli' (Times, May 21, 1857), basing his argument to that end upon M. Gutzlaff's catalogue of 'Chinese Buddhistical Works,' published in vol. ix. of the 'Jour. Roy. As. Soc.', p. 199 (1848).



XVIII.—RESUME OF INDIAN PALÍ ALPHABETS.

[In continuation of the subject treated of in the supplement to Art. XVII.; p. 8, I extract the substance of Prinsep's 'Completion of the Páli Alphabet,' which the decipherment of the Girnár text of the edicts of Asoka enabled him to verify.]

First, however, I must take a review of the Girnár alphabet, for it is evident that it esotains many additions to the more simple elements of the pillars. These additions, to which only I have time to allude, will be found to complete the alphabet to the existing standard of the Páli of Ceylou.

The most remarkable change observable in the alphabet has already been noticed in my paper of last June, namely, the substitution of the letter 1 for \$\sigma\$ in all words now written with an r in Sanskrit, but on the pillars spelt with an \$\lambda\$, as \$\sigma F > \lambda \sigma \text{, now corrected to } \text{FF->=100 rigs, descript, etc. Although there are many words in the Sanskrit in which the use of the \$\lambda\$ and \$r\$ is indifferent, still the invariable coupleyment of the former liquid, does not appear to have been ascribed to any of the numerous Prakrits or even the Apabhránsas, by the Sanskrit grammarians.

Of other latters made known by the Giruar tablets, we may notice first in order the L or gh, which can no longer be denied a place, or be confounded with any other letter, because it now occurs in the well known word gharistaini (S. gridaetdau), and in megha, ghara, ghata, etc., of the Kalings and Sainhadri inscriptions. These words, it must be observed, occur only in those tablets of the Katak inscription wherein the letter t is used, and which so far resemble in dialect those of Giruár. The orthography of gridaetdas on the pillurs is girithdai. It does not therefore follow necessarily, though there is every probability thereof, that the g is never used for gh; but when we find the aspirate

present in other words of the same monuments, such as ghanti, sangkathasi, etc., we are bound not unnecessarily to aspirate the simple g, where it can be read without doing so.

The nasal of the first class of consonants, or gutterels, has not been yet recovered, because its place is generally supplied by the answers; but in one or two places I think the # may be traced in its primitive form of C: at any rate it may be safely constructed so, from the analogy of the form in No. 2 alphabet 5 also found on the coins in the name Simba vikrama (written cometimes singla), and from the more modern form of the Tibetan 5 ng.

The letter in M. is of rure occurrence, even in the Sanskrit. It is not therefore to be wondered at, that we should be tardy of discovering it in the ancient alphabet. Yet in Pali this letter takes the place of the Sanskrit w in madkys, madkysms, 'middle,' and perhaps of rj in mirrita and of ray and vgg and other similar compounds which in pronunciation assimilate to A: and it is thus more likely to be found in a Pall than a Sanskrit monument. On my first review of the pillar alphabet, I was inclined to look upon the letter " as it, from its occurrence in the word go'g' majhind, coupled with shaud and gerayd, domestics and escetics, but it seemed better explained by ri in other places. A similar expression in once of the Obrahr tablets again leads me to consider it as it, viz. ; "ambhilens, majareisne, cistilens," where the central word is written ST &1 both in the Girnar and in the Disuli versions of the concluding paragraph. Again, in the pillars it is generally inflocted with the cor the a rowel mark, which could not be the case with re; and lastly, it hears considerable affinity to the Bengali & ik which also resembles the ri of the same alphabet; I therefore now prenounce F without besitation to be a jh; and I must medify former readings accordingly.1

The w of the second class, or palatials, is an sequisition upon which there is no room to doubt. It is a poculiarity in the Páll language that this letter, which has the pronunciation of wy, both supplies the place of the Sanskrit compound letter is in such words as rajust tru:

¹ This it is not difficult to accomplish: ex. gr. in the western tablet of the Ferror lat, mineratus missiparysta determinant, may be Sanskritized as follows: नामंतिन्धा पाधित्वा दानं दाखाना. 'expelling the murderer (from the town or community) they shall give him an alma.' And in the edict regarding unimals,—to ar agive residence—'rush while life remains shall not be shandoned,' उन्धापितत्वा and, in the last tablet, for shamon segmes residence of theye, read निर्वत्यभवत 'the rules of dharms shall be invincible.'

of a prince, and with ajad, 'order'—and of a, or my in such words as want anyotak, else, walls engand, others; and in manyote, Páli manyote, decous. Now these and many other examples occur most opportunely in the Girnár inscriptions—the letter h, with the necessary vowel inflections h se, t, ad, or t so, being invariably employed in all such cases; as in the sixth tablet above quoted, NAA NALUT-til evals agent partitions to the necessary in the Dihli pillars the word anata, for instance, is written M.A anata, with the dental u, the only one there made known to us, doubled by the anaeseara.

The next form of a, belonging to the cerebral series, has already been made known to us from the Sainhadri cave inscriptions, I; and the modern derivative forms were on that occasion described (see page 1045 of volume vi.) In the present inscription this a invariably follows the letter r, as in Sanskrit; ex. gr. D-EdtI: Ilhammacharanam the progress of religion. The vowal affixes are united to the central perpendicular stroke as IFE ns, ad, so. A few words written in Sanskrit with the dental n, are found in the inscription written with I, as januare, decemen (7th and 8th tab.) and the same holds good of the grammatical Pálí of books. It should be remembered that, in the regular Prákrit, this is the only a which over stands singly in a word.

The only letter of the labial series which was yet wanting to us, the pl, is most fortunately recovered through the indubitable exprestion milden the pholoni the in the second tablet of Girnar-"both roots and fruits'-written gards bard. In the letter is we at once perceive the prototype of the ph of No. 2, and the 4 of the Tibetan alphabet : and we see the reason why this was departed from in the Nagari form, W. by turning the stroke outward, lest by turning inwards it should be confounded with the war sk, a letter unknown in our old alphabet. With reference to my former remark on the duplication of alphabotic forms to produce the aspirates, it may be adduced as an additional argument for such an assamption that in the oldest of three plates from Kairs with copies of which I have been lately favoured by Dr. A. Burn, the ph of the word phate is twice written pp in lieu of ph, which is the augmented or aspirated form used in the other plates, and which is more consistent with the original type now disclosed to our knowledge.

Of the 5h I would merely take this opportunity of noticing that I have discovered the period and cause of the two very opposite forms of this letter which are found in later alphabets, as for instance the Mahratta 5h and the Tibetan 5h (which agrees with the Devanagari or Kutila of the 10th century) and have proved them both to descend from the original st; the Mahratta may be said to follow naturally

from the Sainhalri form; the other I have traced on the Saurashtra coins of Skanda and Kumara Gupta, where sometimes the one and sometimes the other form is employed, the latter being the natural course followed by the pen in imitating the sculptured letter not beginning at the top, viz.: A, whence would gradually follow Q, and with the headstroke, common to all the modern characters.

The Pili contains but one s. We cannot, therefore, expect to find in our ancient alphabet the prototype of either the Sanskrit II or II. Of these letters I only notice the early forms, because I have inserted them in the accompanying lithographed plate. The modern form of II would seem to be derived from the H of the Samudragupta, or No. 2 alphabet, where again it might be presumed that it was introduced as a trifling modification of the letter N, or s,—in fact, by closing the outer stroke or doing the same thing to this as was done to the p, to have the effect of duplication or aspiration. Or, it may be more proper to consider it a swiften modification of the more ancient form to found on the copper-plate grants of the third century dug up in the Gujarát peninsula, whence the transition is more ovident and palpable to the various Pálí and Sinbalese forms, the Cashmere form and even the modern Nágari and Bengálí.

It is not so easy to trace the origin of the tallibs sha, II, in the old alphabet, but there is plausible reason to suppose that this was originally merely the marries or cerebral a q, turned in an opposite direction, invented to denote another modification of the sibilant required in the refinement of the Sanskrit alphabet. In the oldest Gujaratt plates, these are written with simple linear marks in the middle, and exactly the same structure is retained in the square Pálf alphabet or stone letter of Barms, except that the stroke in the centre is contracted into a dot; further, they are merely rounded in the modern Burmese for the facility of writing. In no other alphabets that I know of are the analogies to the original type so faithfully preserved as to shew that these two sibilants were originally the same letter reversed in position, a mode frequently adopted, as I have had occasion to notice before, in Indian alphabets, to represent slight modifications in sound (see vol. vi. p. 475-6.)

The most ancient Sanskrit form, however, of the taliba sk is one I have just discovered on a genuine inscription of the time of Chandragupta [Sah Inscription]. This type is evidently the original of the form so common on early Hindu coins and inscriptions, whence are directly descended the Tibetan A, the Bengali A, and the modern Nagari M, which heretofore presented a kind of anomaly in the derivation of our alphabetical symbols.

Having thus recovered the complete, and, as I consider it, the primeval alphabet of the Indian languages, I have arranged in the accompanying plate the changes each letter has undergone in successive centuries, as deduced from absolute records on copper or stone. The table furnishes a curious species of palæographic chronometer, by which any ancient monument may be assigned with considerable accuracy to the period at which it was written, even though it possess no actual date.

I begin with the sixth century before the Christian era, because I suppose that the alphabet which we possess, as used by the Buddhists of a couple of centuries later, was that in which their sacred works had been written by the contemporaries of Buddha himself, who died in the year 543 a.c.

What in some measure confirms this hypothesis is, that the Sanskrit character of the third century before Christ (of which I have introduced a specimen in the plate from the genuine document above alluded to), differs only so much from the original form as the habits of a class of writers distinct in religion and more refined in language might naturally introduce;—just as we afterwards find an equal degree of modification from the type of Asoka's time, in the Sanskrit alphabet of five centuries later, on the pillars.

The Asoka alphabet (the Sanskrit one) agrees very closely with that of our Sauráshtra coins, which may thence be pronounced to be anterior to the Gupta series. The Gujarát plates, dated in the third century of the Samvat era, differ but little from the Allahábád pillar or Samudragupta inscription, but that little is all in favour of their superior antiquity.

Of the more recent alphabets it is unnecessary to say anything. The Tibetan is acknowledged to be of the seventh century. The Kutils alphabet is taken from the inscription sent down in facsimile by Col. Stacy from Bareli;—we learn thence that the artist was of Kanauj; and we see that the Bengálí, which was drawn from the same focus of learning nearly a century afterwards, does not differ more from it than the modifications it has undergone since it was domiciled in the lower provinces will explain;—indeed, all old Sanskrit inscriptions from Benáres to Katak differ only from the Kutila type in having the triangular loop \$\mathbf{x}\$, instead of the round one \$\mathbf{x}\$.

A hundred other modifications of the primitive character might be easily introduced were I to travel southward or to cross to Ava or Ceylon; but I purposely avoid swelling the table, and include only those epochas of the Indian alphabet which can now be proved from undeniable monuments. On a former occasion, the Amaravati, Hala Canara, and Talinga alphabets were traced to the Gupta as their prototype, and thus might others be deduced; but another opportunity must be sought of placing the whole in a comprehensive table.

In conclusion, I may again regret that our printers did not take for their standard the form that would have served to blend the Bengálí and the Hindí into a common system!

[Prinsep's observations introductory to his Chronological

Jour. As. Soc., Bong.', vol. vi., p. 215 (March, 1827).





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Table of Alphabets appear to have been designedly brief, as the several series had already been freely examined and descanted upon in the occasional Essays which had from time to time been devoted to the independent illustration of each. The definition of almost every letter was now an accepted fact, and under the treatment of Prinsep's practised eye and ready hand, each form might be compared in its multiple transitions and ramifications, by the veriest tyro in Indian Palmography. I have copied, literation-in pl. xxxviii, xxxviii. -his original synopsis; but as his labours in elucidation of these, and other cognate alphabets, were detached and scattered over many volumes and numbers of the Journal he so long and efficiently edited, I have taken advantage of the facilities afforded by the imitative faculty of our German neighbours, who have reproduced, in movable types, these and some further varieties of the local characters first deciphered by my author,to introduce into a printed table many of the older forms omitted in the lithograph; and I have forther profited by the progress of type-founding, to add to the general series certain provincial alphabets, which illustrate the literal changes incident to independent naturalization, as well as those due to epochal departure from the parent stock,

It will be seen from this observation, that I have ventured to differ from my elsewhere usually accepted authority; but in this case, his unvarying frankness and candour have of themselves paved the way for my justification, and I doubt not that, had his intellect been spared to us, he would himself have been prompt to reduce to a more consistent and mature theory, the imperfect hypothesis somewhat hastily enunciated on the initiatory publication of these fac-similes.

The general subject of the rise and transitional development of Indian alphabets spreads itself over various sections of research, and requires to be considered from different points of view, the more prominent of which I will endeavour to recapitulate as concisely us possible. I. Regarding the probable date of the earliest use of the type of character, of which Asoka's edicts present us with the first extant example, Prinsep hazarded an opinion that two centuries of anterior currency might fairly be assigned to that style of writing. This idea pre-supposed somewhat of an exclusively secred character, as pertaining to the alphabet; but by no means implied that the literal series did not pre-exist in an earlier or less perfect form. A conjectural limit of this description may of course be indefinitely extended or contracted, but I myself should be disposed to enlarge considerably the period of the previous culture of so perfect and widely-spread a system of alphabetical expression.

II. As respects the derivation of the literal series, Prinsep had clearly a leaning towards associating it with the Greek, grounded upon the similarity and almost identity of some of the forms of each, the phonetic values even of which fell into appropriate accord. That these similitudes exist there can be no doubt, but not in sufficient numbers or degree to authorize an inference that the one system borrowed directly from the other. Prof. Weber, following out Prinsep's idea in another direction, has sought to establish a Phænician origin for the Indian alphabets. This theory I regard as altogether untenable, for we not only have to get rid of the inversion of the direction of the writing—sufficiently intelligible in the case of the Greek derivative from that stock—but we have to concede a much larger amount of faith to fanciful identities of form; and lastly, we have to place this excellently contrived alphabet in juxtaposition

* Ueber den Somitischen Ursprung des indischen Alphabetes.— Zeitschrift, 1846, p. 389.

I linen Throng gives the fellowing account of the origin and aproad of the Indian niphabet:—"Les caractères de l'écrimes eet été inventes par le dieu Fan (Brahmû) et, depuis l'origine, leur forme s'est transmiss de xiècle en nècle. Elle se compose de quarante-sept signes, qui s'assemblent et se combinent suivant l'objet ou la chose qu'en veut experimer. Elle s'est répendes et s'est décisée en diverses branches. En source, s'étaut élargie par degrés, elle s'est accountélée eex tiesges des pays et mix bestins des hommes, et n's épouvé que de légères modifications. En général, elle ne s'est pas sensiblement écutée de sou origins. C'est surrout dans l'Inde centrale qu'elle est nette et correcte."— Mémoires, etc., p. 72.

and contrast with a system of writing manifestly claiming a quasi-Semitic parentage, but as imperfect and ill-adapted for the expression of Indian languages as it is possible to conceive, which we find in concurrent use in the contiguous provinces of Northern India. Certainly, to judge by internal evidence, the Páli alphabet of Asoka's day bears every impress of indigenous organization and local maturation under the special needs and requirements of the speech it was designed to convey. Though, amid the marvels that are daily coming to light in regard to the march of languages and the varieties of the symbols employed to record the ancient tongues, it might be possible to concede so much of identity to the two sets of characters as a common but indefinitely remote starting point might be held to imply.

III. Was the Pali alphabet sacred or profane? classic or vernacular? monumental or popular? The answer to these queries must, I think, be decidedly against its exclusive devotion to the former, in any case; it will be safer to say that, up to a certain period, it was employed both for one and the other, and stood as the sole medium of graphic communication. This primitive character may well have proved sufficient for all purposes of record, so long as the language it was called upon to embody remained as simple as that for expression of which we may suppose it to have been originally designed

^{&#}x27;[M. Bacthétory St. Hilaire, in a review ('Journal des Savants,' January, 1857), of the valuable work of M. E. Beron, on the Semitic Languages (Paris, 1858), enters into an examination of the relative claims to priority of the Indian and Phoneician alphabets. His remarks on the remote antiquity and independent and spentaneous claboration of the Indian alphabet are sound, but the general argument is marred by a want of due discrimination between the Püli and Samekrit influences, and is deficient in all reference to the co-existent Semitic system of writing of the northern provinces. Though I do not concer in any conclusion that one alphabet must necessarily have been derived from the other, I append M. St. Hilaire's opinion on the question as it stands between the two:—"Ja no vole pas qu'il repogne à la raison que le système le plus parfait de l'alphabet soit assai le plus ancien. L'alphabet similique n'est pas précisément plus simple, quoique moitis plus court; il est, à vrai dire, moins complet. Pour ma part, je compressés miseur les Sémites recevant de troisième ou quatrième main l'alphabet indien, et l'adaptant à leur mage, en le réduiant de moitié et en le multiant, que je ne comprende les Indiens recevant cet alphabet informs et coafus et le portant à la perfection que mous accourt."—p. 52.]

and adapted. On the introduction of the Sanskrit element, it was necessarily subjected to previously-needless combinations, and under this and other processes perhaps lost some of the stiffness of outline, which it may, nevertheless, have retained together with its original literal simplicity among the vulgar,' even in the presence of an improved style of writing, suited for more polished literature; as in the existing orthography of Hindi, contrasted with the elaboration of Sanskrit alphabetical definitions. Prinsep

Major Cumsiagham speaks of 'the extremely more use of compound letters' in the Baddhist legends engraved on the Bhina Topes. He remarks, 'unly three instances occur throughout all these inscriptions; and they are certainly exceptions to the common practice of Assan's age, which adhered to the simplest Pall forms.'— · Bhilisa Topes, p. 268.

I I have chewkers noticed certain evidences bearing on this question, which I may append in further literaction of my present argument]. If imagine it must be secureded, whether on the indications afforded by inscriptions, coins, or Buddhist relies, that the assistst Pall or Magnetic statubet had secon avery extended currency, relies, that the amount Pall or Magnoni statubet had soon a very extended curroncy, and like who that for a lengtherest period is remixed its apparate identity. It occars in Ascha's edicts at Dika, Allah shad, Maria, Jakes, Dhandi, and Girnar; its appearance in these several breakties would prove four, topoly, other that it was insultigible to the people at large throughout the circle cultivared estima these proposed entirely to the latter map action in the departure from its use in the Kapur apposed entirely to the latter map action in the departure from its use in the Kapur di Oir text of the oddet lived, and the understand the language is seen to have been enhanted to in some of the Phil beoscripts, to next apportunity the local diabets of each site.' [I do not engly from this that the colors were ordinarily designed to be within content of the value of the paper, or was the case with the Grick tables, even if it was expected that the literary cultivation of the papelation at large was sufficient to create easily readers.] "On some, the characters can accord be thought to hald any religious eigenheistics, but the excitable modallic testimenty contributes largely to the informers that the characters formed the notionary medium of record in the majority of the states included within the limits above nary malium of record in the uniprity of the states included within the limits above adverted to. In the alphabet excissively not expressed the legends of numerous series of soins of purely local type, "its characters are found associated on the one part with the Greek of Agathedess and Pantaleou," and its phonetic signs are conjoined with counterpart Arom legends on certain classes of the Behat counter. The Bud-

Of the two stone pillars at Dibli, one was moved down from near Khizrabhd, at the foot of the Histologue-the other was taken from Mirst- Jour, Arch. Soc.

at the foot of the Himslayes—the other was taken from Mirai—'Jour, Arch. Soc. Delhi,' p. 70, 1839 [vol. i., p. 324.]
'Other inscriptions in this character occur at—1. Sureki—'Jour, As. Soc. Reng.', vol. vi., pl. xxvi, p. 461., and vol. vii. pl. lxxiii., p. 362; Z. Gyz—Cavez, 'Jour, As. Soc. Beng.', vol. vi., pl. xxv., Nov. 2 and 3. p. 676; these are of the epoch of Domestha, who followed Suxes, the inscribed successor of Asoka! Z. Katak—Udayagiet Cares, 'Jour, As. Soc. Beng.', vol. vi., pl. liv., p. 1072; 4. Katak—Khandagui Book, 'Jour, As. Soc. Beng.', vol. vi., pl. liv., p. 1080. And we may now add a but alightly modified form of writing as discovered in the Mohentelé inscription in Ceylon. 'Jour, Roy, As. Soc.', vol. xiii., p. 176.
'Jour, As. Soc., Beng.', vol. v., pl. xxxv., and vol. vii., pl. lx. and lxi. 'Jour, As. Soc., Beng.', vol. v., pl. xxxv., p. 8 and 9; 'Ariuna Antiqua,' pl. vi., pp. 7, 8, 9, and 11.

vi., pp. 7, 8, 9, and il. Jour. As Soc., Beng.', vol. vii., pl. xxxii. [i. 203.].

himself has originated the inquiry as to how much a change of alphabetical symbols might be incident to the use of a more perfect language as compared with the necessities of the local Páli; and to this I am disposed to attach even more weight than he apparently contemplated; the leading conception was suggested to him by the advance displayed in this direction by the Sah inscription at Girnar, which, because it contained the name of Asoka, he conceived should be attributed to the reign of that monarch. He was content, therefore, to accept this system of writing as absolutely contemporaneous with that employed in the public edicts of the early patron of Buddhism. However, we need not now claim so distinct a concession as this, as Asoka's name is only made use of in the subsequent monument, as a whilem benefactor in a similar cause, for which the Sah king claims credit at a later day.

IV. Among other causes that are liable to have affected the march of alphabetical divergence from the one fixed model, may be noted the cursive departure from the older form, which though not exclusively monumental, was evidently better suited for lapidary purposes than for facility and rapidity of expression by the amagnessis; and, under this aspect, there would arise

dhist relies do little towards claridating the expansive spread of this style of writing; "but—if rightly interpreted—they illustrate in a striking matter the antiquity of its ordinary employment in its even then fixed form." [This inference, however, does not necessarily militate against my correlations that, at a assessment period, and in exceptional localities, the Palt language and the Pilk letters and not become the special sectarian vehicles of the Buddhist faith, so opposed to the Sanskrit toughts and its more copious alphabet, whose mer was affected by the Brahmans.] Dr. Stotenson remarks, in speaking of the Namk cave inscriptions, "On the whole, we find that Brahmans and Buddhists, in these early days of our era, lived in peace with one another, and were both favoured and protected by the reigning severeigns; not that, smoong the former, the Sanskrit language was used in writing, sed the Prakrit by the latter; the two languages, probably, holding the same place to one another that the Sanskrit and the vernaculars do at present.—"Jour. Beach Rr. Bay. As. Sec.", July, 1853, p. 41.]

[In my last paper on this subject I remarked, "We have evidence, in sufficient dhist relies do little towards elacidating the expansive spread of this style of writing;*

I In my last paper on this subject I remarked, 'We have evidence, in sufficient abundance, to prove that the eastern nations often availed themselves of a cursive band, in common with the more formal character reserved for inscriptions. These would each be naturally affected, in the ultimate determination of forms—by the material which had to receive the writing.

'Thus, the straight wedge-shaped elements of the cutofform alphabet' were

Jour. Roy. As. Soc., vol. ziii., p. 108; 'Bhiles Topes,' p. 292, etc.
 Layard, 'Discoveries,' etc., 346 and 601, etc., 'Jour. Bomb. As. Soc.', vol. xvi. p. 215.

a still more obcious reason for the rounding off of angularities as the complex orthography of the Sanskrit gained head upon the simple letters of the local Pali.

singularly well fitted for easy expression on tablets of Bubylonian clay, and equally suited to rock inscriptions, while the written hand, executed only on a smooth curfuce, presented no difficulties to any series of curves or complicated lines. In addition to leather, and other materials, the ancient Persians, we also learn, wrote upon The (Birch-bark). The Indians, we know, adapted this substance to the same uses, and possibly the Indians was know, adapted this substance to this very material; whether its employment was limited to the population whose dislorts were expressed in the Arion character we have no messas of saying, but in all prehave remained being deprived of it, we seem mitable substitute; that they also wrote with lak is simply established by the discovery of latters as written on the relic makets at Suncha. hability, if the Northern Indian came knew of its nos, the Migadhia would not

Since the a ove was written, I have not with a most appeals illustration of the justice of my opening remark, in the thouse of a Babylonian clay-tablet—now in the British Museum—of about 500 m c, which is impressed with canciform characters on the one face, and inscribed with Phonocica tettors on the other. The Babylonian character is not very perfect, but the Phonocica has evidently been difficult to execute, in comparison to the simple lines of the associate inscription; the curve of the letters, and the depth is was nedestary to give the lines, to ensure permanence, have clearly provided the stile of the artist, whose knowledge of, and aptitude in, the formation of the letters, are otherwise authority apparent. While adverting to these subjects, I would further draw attention to the double system of writing in use in ancient times, as exhibited in the concurrent record of spoils, etc., almost uniformly depicted in the Kongrapik marbles, where the one scribe base a broad still with a clay sylinder or bank-tablet; and the offer appears to be senting with a more pointed instrument, on some plable material.— See Layard, it 186, "Memoments of Ninevels," of Six as well as No. 2 to make the contract of the second of the contract o pl. 68; as well as Nov. 59 and 16 * British Museum.

To revert, however, to the Indian quanties. I may remark, in conclusion, that the tradition in Huan Thung's time, evidently such to the effect, that the surly Haddhist acriptures of Karrapa's council seen written 'sur des fenilles de tale (palmier),' and that, in such form, (ii) 'les répandit dans l'Inde entière.'—
'Riamire,' p. 158. Albieun, in speaking of his own experience in the eleventh rentury, notices the use of paper (323), and the local suppleyment, 'data is midde l'Inde, of the lorrer of the Tiere (تاري); to which he adds, 'mais dans le-provinces du centre et de nord de l'Inde, on employe l'écorce intérieure d'un artre. appeld fone ([4]), C'est avec Pérorse d'un arbre du même geure qu'un recouvre les aren : celle-ci se nomme Mosg" (, et/) .- "Reinsad Mémoire eur l'Inde," p. 305. Forther reformors are given to "Arrian," I. viii., c. iz., For-kone-ki, p. 392, etc.]

[Dr. Weber has instituted certain philological comparisons, in the hope of

* Assyria-P. H. Grass, London, 1832, p. 546.

I have met with inscriptions; one scratched with a stylet, or sharp-pointed implement around a startite vane, extracted from a Tope at Durenta; another written in ink, around an earthen vessel, found in a Tope at Hidda; and a third dotted on a brass vessel. —See also 'Reimand Memoire wor l'Inde,' p. 395.

* 'Jour. Rey. As. Sec.', vol. riv., p. 110; 'Bhilsa Topea,' 299; 'Jour. As.

Soc. Beng.', vol. griv., p. 394.

This Sanskrit action upon the indigenous form need not be limited to the date at which we are now able to cite extant examples of the Páli letters; and, as I have claimed for the latter an antiquity very inadequately represented by their use under Asoka, so I may assume an independent process of maturation under the influence of the former language, in written documents, which is not necessarily restricted in its point of departure to the date of the lapidary models of which that monarch has left us examples. Indeed, these very monuments, in their bearing upon each other, already exhibit the early phase of an irregular advance beyond the limitation of the normal letters, in the greater amount of compound consumants to be found in use in the Girnar edict, as contrasted with the Dhauli transcript, and the still more simple records of the Eastern pillars, which, in point of time, are absolutely subsequent to the two former inscriptions. And this alone is sufficient to form a justifiable basis for a line of argument I have elsewhere adopted in reply-

being able to determine the initial method of writing in India by the definition of the primary meaning of the words suphyed to describe the endometrent of the edicts of Asoka. Following out the Greek and Latin assistay of the derivation of the art of writing, implied in the primary and form, which occur in the opening passage of these inscriptions; the one signifying 'to senser,' and also 'to write;' the other, he afforms, meaning primarily 'to senser,' and, accordarily, 'to write,' Any oxidustive industria, as a sense of these inscriptions, the opening primarily 'to sense into,' and, accordarily, 'to write,' Any oxidustive industria, however, from these materials is desired to us in the fact that the two words occur in absolute juxtaposition, and almost as if they were convertible torus; there can be no difficulty in admitting that the one root exists with almost a leading meaning for writing in the South (and in Bengal [209]); while in the north it has retained a nearly exclusive signification for amounting, plastering, etc. The form, on the other hand, whether its primary intention was to stratch into, or, more probably, to draw a line, helds its position to a much greater extent in the dialoch of India as the special indication of writing. However, then comparisons, incomplete and unsatisfactory as they must needs be, are complicated by a dealet as to the original derivation of the word how In the Expert dialocate, in spite of Professor Wilson's most determined conversion of the initial letter, in the summarous instances in which it occurs, the word is palpably and uniformly dips (dipitars, dipitition, etc.), which, as Mr. Norris has shown, finds a counterpart in position and meaning in the Persian Canelform Inscription ("Jour Roy, As Soc.", vol. x., p. 147, 250, lines 48, 55 of Tobbet); and in the Scythic version it appears as tips, with the same eigenfection (vol. xv., pp. 19, 24, 187). The legitimate Arian labelet, occurs in one passage as the correspondent of the Pall khisteri (Girnkr, i. 10); but usua

ing to those who follow too implicitly Prinsep's first idea of the progress of writing, and who seem

Disposed to admit of but one single element, as liable to affect the murch of alphabetical development—that of time. To show how follacious any notion of a assessarily progressive change would be, I may rall attention to the very slight modification that is seen to have taken place in the local alphabets of Gujurkt, etc., during several conturies; and I would inquire, if this argument is to held good, how much of difference coght we to be able to detect between the alphabet of the Vallabli suppersplates, which they would date in the south sentury a.g., and the style of writing in use in the Western Coves, which is almost identical with the characters in prevalent use among the Roddhists in the lief century n.c. And yet, a reference to the fassimiles in pl. xxxvir. will demonstrate how constitully limited the altientions effected by this lapse of ages really were.) Princep, as we have seen, was prepared - with his usual fairness - to conside that there were other causes likely to influence these alphabetical mutations, though his original idea had dearly been to assign all impulse in this direction to the effect of time. Had he lived to perfect his theory, I doubt not that he would have accepted other agencies as playing an important part in the results to be separated for prominent among these would, I think, have to be placed, the advance or returdation due to nationality or other local influences; otherwise it would be difficult indeed to appoint for the various reporate alphabets that we find in all their independent diversity at a later period of Indian progress. 6

Princep's own impression, above reprinted, will display how little reliance could

Bhiles Topes, p. 149. As my readers may be glad to learn what Albironi ways on the state of the distributive varieties of writing current in his day, I opposed M. Beinaud's version of the entire purage .— On compte pindours écritures dans l'Inde. La plus répundue est colle qui porte le nom de collès-materne () ou substance purfaite; elle est unitée dans le Cachomire et à Bruzrès, qui sont mointement les dons principeux foyers scientifiques du pays. Ou se sert également de sette écriture dans le Madhys-Dogs, appeld susse die nom d'Aryseurits. Dans le Males, ou fait nauge d'une écriture appelén noyara (20) : velle-ci est disposés de la coême cuentère que la première ; mais les formes en seut différentes. Um traisème écriture, nemés ardiba-napary (أردناكرير)), e'est-A-dice à moitié naguri, et qui participe des deux premières, est ustice dans le Bhatia (الهائية) et dans une partie du Sind. Parmi les autres éctitures, on peut eiter le malrary (, , lile), meté dans Molcascheva (lamble) au midi du Sind, prie de la côte ; le besandibe (سندن), employé à Bahmannyn, ville appelée muni Manssora; le kurmita (كُرْنَاتُ), mité dans le Karnste, pays qui donne naissance aux personnes appelées, dans les arnoles, du nem de Kannura (كَتْرَة) ; l'andri, employé dans l'Andra-Doça wu paye d'Andra (أنتر فريش)); le dravidi, usité dans le Dravida ou Dravira; le lari, dans le Lar-Deça ou pays de Lar; le gaura (كوري), dans le Purst-Deça (يورب ديش) ou région crientale (le Bengale) , et le bikehoka (بيكشك) dane le Ouden-Pournhamilia (كاردنيورهناك). La dernière ceriture est selle dont se servent les bomédhists (البد) - M. Reinaud, 'Mémoire sur l'Inde, p. 298.

be placed on a judgment which did not take this element into counideration, for he assigns, on the more ground of forms of letters, a higher antiquity to the Gujarkt copper-plates, than he does to the Gupta inscriptions; whereas, we now know, that

the Guptas preceded the Vallabhis!

V. As to the possible influence of the Semitic character of Northern India on the collateral Pali; I should reduce this to the very minimum under its direct Paleographic aspect, and should even prefer to advocate the converse proposition. There are here also some singular alphabetical coincidences which, however, had better be reserved for examination under the notes on the Arian character. A point which adds materially to the difficulty of instituting any useful comparisons in regard to this division of the subject is our ignorance of the date of the introduction of the Arian branch of the Semitic tree into the regions south of the Hindú Kush and its extension into the sub-Himalayan belt towards Hastinapúr. For, as in the case of the Southern alphabet, its

^{1.} Jour. As. Sec. Beng , vol. vi., p. 969.—See Translation, vol. i., p. 255.

Jour. As. Soc. Beng., vol. vi., p. 1.—English Version, vol. I., p. 240.

Jour. As. Soc. Beng., vol. vi., p. 455.—Noticed at p. 245.

^{• [} I am not at all certain, however, that the Arian alphabet did not contribute the letter Φ, the equivalent of Ψ in its own series, to serve in the Skh inscription as Ψ. The original character has, to my perception, more of mechanical coincidence with the general tendency of the Arian formation of letters, than of homogeneity with the alphabet of the South; and it is curious to observe how soon the perpendicular centre stroke of the original became horizontal under local treatment. The proper Indian b = Ψ, on the contrary, seems to have been of indigenous adaptation.]

earliest appearance, within our ken, is in the counterpart edict of Asoka at Kapur di Giri in the Peshawur valley. Two items, however, suggest themselves as important in the general inquiry. (1) The greater amount of pure Sanskrit the Kapur di Giri inscription' carries in its text, as illustrating the descending course of that languages; and (2) the ultimate and not very long delayed extinction of all trace of the once extensively prevalent Arian character, and its supersession by the more exact and appropriate system of writing indigenous to the south ! 1

'['Jour. Roy. As Soc.,' vol. xii., p. 256.]

'['Jour. Roy. As Soc.,' vol. xii., p. 256.]

'['Prinsop had already noticed this fact in connection with other data then at his command—'The evenacular language of India at that period, then, varied in different provinces;—if approached more to the Sanakrit in the N.W.,' etc.—vol. vii., p. 280. The postension of several letters requisite for the des definition of Sanakrit orthography, but uncerteded in Pall writing, in also important approach.']

[I have usually avoided everplicating the shaple Palmographic inquiry—on which alsons my data suddle on to speak—with any educate to the important light philology must be expected to threw upon the general question. I depart from my rule in this instance, in citing the original and highly estable remarks of the author of the 'Drividian Grammar,' reporting the existing state and probable early course of certain Indias bacquages. Mr. Caldwell's position may be slaided in his own words:—'That the Drividian Grammar,' reporting the existing state and probable early course of certain indias bacquages. Mr. Caldwell's position may be slaided in his own words:—'That the Drividian faramages are to be affiliated, not with the Saythian group of longues; and that the Seythian farally to which they appear to be most closuly alled in the Famish of Ugrian.' [The scope of the term Dravidian is defined by the author as fellows ['The ideams which are localed in this work under the potent level.' Delablan' another to voraccular speech of the great majority of the inhabitants of Sockhew India. With the crooption of Orisan and these districts of Western India, and the Delablan' in here applied; by different framelies of one and the same language—the Vindhya moomatine and the rives Newbord (Narraada) to Cape Germonia, is peopled, and from the conical period appears to have been peopled, by different leranches of one and the same language—the language to which the term Dravidian' is here applied; and seaternd offshoot the Konkawi), and the Uriya, o in Peninsular India.

'The idiome which I designate as 'Drividian' are nine in number, exclusive of the Rajmahal, the Uraon, and the Brakus.' They are as follows: 1, Tamil;

Soc., vol. zv.

A comparative Grammar of the Dravidian or South Indian Family of Languages, by the Rev. B. Caldwell, B.A. London, Harrison, 1856.
Cf. also Norric' Scythian text of the inscriptions at Behistun.— Jour. Boy. As.

The discovery of this Dravidian alament in a language spoken beyond the Indus proves that the Drividians, like the Aryana, the Grasco-Scythiana, and the Turco Mongolians, entered India by the North-Western rocks.-p. 23.

In this indeterminate state, I am content, for the present, to leave the general question of the progressive development of the writing of India proper; being convinced, that no uniform or absolute law can be enunciated applicable to the varied circumstances of the whole circle of the paleography of the

2, Toluga; 3, Camerose; 4, Malaysiam; 5, Tulu—[the remaining four are] entirely uncultivated, destitute of written characters, and comparatively little known—6, Toda or Tudara; 7, Kota; 8, Gond or Goand; 9, Khond or Kund, or, more properly, the Ku. The proportionable numbers of the several races by whom the languages and dialocts mentioned above are spoken appear to be as follows:

1	/1100000000000000000000000000000000000	19,000,000	
2		14,000,690	
я	****	6,000,000	19,150,000
*	HENVESTON CONTRACTOR OF THE	2,300,000	adiendera
- 8	strongerieronanieronaniero alente	190'406	
- 6	to 9	500,000	1

Whilst I regard the grammatical structure and provailing characteristics of the Dearly from a selection, I state for these a position in the Scythian group which is independent of its other normbers, as a distinct family or group, at, at least, as a distinct subgenus of burgue. They belong not to the Turkish family, or to the Ugrian, or to the Mongolian, or to the Tungesian, but to the group or class in which all these families are compressed. On the whole, the Dravisian languages may be regarded as most mostly allied in the Finnish or Ugrian family, with

aperial efficities, as it appears, to the Ostiak '-p. 46.

aperial effective, as it appears, to the Outlak '-p. 46.

The conclusions arrived at with regard to the Northern Indian languages are summed up thus -- If is admitted that before the arrived of the Aryana, or Bankrit apeaking colony of Brahmana, Kabarryan and Vaivyan, the greater part of Northern India was purpled by rude absorpted tribes, called by Sanskrit writers Milebehou, Davyan, Nishinkan, etc.; and it is the received openion that these absorption tribes were of Scythian, or, at least, of non-Aryan origin. On the irruption of the Aryana, it would naturally happen that the copiese and expressive Sanskrit of the conquering race would almost overwhelm the wembulary of the rude Scythian tongue which was speken by the shoriginal tribus. Kevertheless, as the grammatical structure of the Scythian tongues possesses peculiar stability and persulency; and as the pre-Aryan tribus, who were possesses peculiar stability and persulency; and as the pre-Aryan tribus, who were possesses peculiar atability and persulency; and as the pre-Aryan tribus, who were possesses peculiar atability and persulency; and as the pre-Aryan tribus, who were possesses peculiar atability in the Aryana, were not annihilated, but only reduced to a descendent position, and eventually, in most instances, incorporated only reduced to a dependent position, and eventually, in most instances, incorporated in the Aryan community, the large Sanskeit addition which the Scythian vernaculars reserved would not necessarily after their essential structure, or deprive them of the power of influencing and sommilating the speeck of the conquering race. According to this theory, the grammatical structure of the spoken idioms of Northern India was from the first, and always continued to be, in the main, Soythian; and the change which teck place when Sanskrit acquired the predominance, as the Aryane gradually extended their compasts and their colonies, was rather a change of vecabulary than of grammar,—a change not so such in the errangement and vital spirit as in the material of the language. This hypothesis seems to have the merit of according better than any other with existing phenomens. Seeing that the Northern vernaculars possess, with the words of the Samkrit, a grammatical structure which in the main possess, with the words of the Samkrit, a grammatical structure which in the main appears to be Scythian, it means more correct to represent these languages as having a Scythian basis, with a large and almost overwhelming Sanskrit addition, than as having a Suzskrit basis, with a small administer of a Scythian element.'—p. 38. 'The Scythian substructure of the North-Indian idioma presents a greater number of points of agreement with the Oriental Turkish, or with that Scythian tongue or family of tongues of which the new Persian has been modified, than with any of the Dravidian languages.'—p. 30.

multifarious languages and nationalities embraced amid the indigenous or intrusive races, who in succession may have peopled portions of that land.

I now insert the type Table of transitions of the Indian Alphabet referred to at page 41. This, like Prinsep's lithographed synopsis, requires but little introductory notice, as it should be sufficiently explanatory in itself, but it may be necessary to mention, that I have modified some of the headings of the earlier alphabets, which I have felt bound to retain unaltered in the artist's copy of Prinsep's original fac-similes.

The derivations of the six leading or epochal series of the general table may ordinarily be gathered from the notices and translations of the original texts of each, inserted in various parts of this publication.

The so-entitled Norbudda character is taken from a set of copper-plate grants, of uncertain date, found at Sconi in the Saugor and Nerbudda territories; and the Kistna alphabet,

If As the accompanying Table of Alphabets has lately appeared, under a dightly varied form, in the work or another author, it is necessary for me to explain how it comes to be inserted in this place without the usual acanowiedgement. My Publisher, in making his proporations for the present reprint, imported, at my request, from Germany, such of the Samskrit types, haved upon Princept e originals, as were deemed requisite for the illustration of the Palacresque history of Lodian writing. As some difficultion presented thermodres, as the served of this foreign type, in regard to its justification and assimilation with our own, it was determined to set up the entire table before it was required in the order of the communities. This was done, and the first rough proof had been softened to me, when Mr. Austin's managing superintendent intimated that if I had no objection he intended to lond the table for publication in Mr. Monier Williams' Samskrit Granumer. I of course asserted willingly to this arrangement, abusely stipulating, in the most distinct manner, for the due acknowledgement of the derivation. I heard nothing further on the subject till the work in question appeared, under the suspices of the Oxford University Press, when I naturally looked for the expected recognition of the use of my materials. However, is my surprise, I could discover no nothing further on the subject that here had been some misapprehension as to the terms under which these materials had been some misapprehension as to the terms under which these materials had been some misapprehension as to the terms under which these materials had been some misapprehension as to the terms under which these materials had been some misapprehension in the symptoms. I discovered that there had been some misapprehension as to the particular in its reproduction.]

1 [No. 1, vol. 1i. p. 8, et sep. of this publication; No. 2, Jour. As, Soc. Beng.,]

¹ [No. I., vol. ii. p. 8, et seq. of this publication; No. 2, 'Jour. As. Soc. Bong.,' vol. vi., p. 1042; see also Stavenson, 'Bombay Journal,' July, 1882, and January, 1864; No. 3, Art. xix. outro; No. 4, vol. i., p. 222; No. 6, vol. i., p. 321.]

¹ [See p. 726 Jour. As. Soc. Beng.' vol. v. (1836), and also Prof. Wilson on Chattisgun Inscriptions, Asistic Besearches, vol. xv., p. 507.]

TRANSITIONS

98 338

INDIAN ALPHABET,

PROM THE TIME OF ASONA.

WITH SOME OF THE MOST MARKED LOCAL VARIETIES
AT PRESENT IN USE.

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Traced by Stephen Assem. Hartford.

which follows, was obtained from inscriptions at Ameravati in Berár.1

For the more modern alphabets, which are arranged irrespective of their relative antiquity, I have had to rely upon such

I [Princep explains the source from whenen he derived the materials for this alphabet in the following remarks []— In the library of the Asiatic Society are ten manuscript volumes of drawings of sculpture, images, architecture, and inscriptions, forming part of the celabrated collection of the late Colonel Markenzie. The greater portion of those are as yet unknown and undescribed. None of the series, as far as we can acceptain, are as yet unknown and undescribed. None of the series, as far as we can ascertain, have been published, nor are we aware of any attempt having been made to deciplar the inscriptions. It is greatly to be wished that the whole of these inscreating documents nould be digested in some convenient arrangement and made accessible to the learned world, aspecially now that the invention of lithegraphy offers a chang and expeditions means of effecting such as object. We were in loopes of combining their publication in the form of a volume or two of plates, with the digest of the Mackenske manuscripts, which, at the recommendation of the Beristy, the Government has lately entrusted to the Rev. W. Taylor at Madras, the author of 'Opioutal Historical Manuscripts.' As a specimen of the matters of these curious volumes, Captain Ouncingham has kindly favored me with the two lithographs numbered up the Land Cuncingham has kindly favored me with the two lithographs nonshired so ple. I. and II., vol. vi., 'Jour. As. See. Beng.' He has selected for two longest inscriptions from the volume, No. 18, emitted 'Antiquities at Americant,' a town in the Berke province, situated on the Kleina river to the west of Nacquer.

'The majority of the evalutors of Americant some to belong to a magnificent delegant, or Boddhist shrips; but there is an admixture lowereds the end of the volume, of chiefs of the lines.

volume of objects of the lings worship. An accurate map of the town is profited, volume of objects of the lings worship. As securate map of the town is profitted, whence it appears that the ruined delegan, whence the relies are taken, was on a mound of 150 feet diameter, now converted into a task. It is called Dipaldinan (translated by Colonel Markowsie 'the mound of lights'), which so resembles the name of a similar place of localists existerity in Caylon (Dambodinus), that we imagined, on seeing the inscription from the cost side of the gateway, some mistake must have been committed; for on comparing the connectors with pl. xxviii. of the 'Jour. As. Sec. Heng.', vol. v., p. 464, their perfect identity with the Crybense type of old Nagari was manifest) indeed the three initial latters appear to form the across word 'maylife'.... and the same combination there recognized as 'Makingle'..... drew Captain Cunningham's attention while supping the possitionate line of the present interription.

present inscription.

'The second inscription, occupying the two sides of pl. xi., 'Jour. As. Sec. Hong.,' vol. vi. [the Kistna alphabet], is altogether of a different class, although the book states it to have been procured from the same town, American.

The character has much resemblance to that of some of the cave inscriptions at

Mahibalipur and other places to the westward; the casential portion of each letter also assimilates very closely to the alphabets of the Cleatinger's and Second inscriptions, and this has served as the key by which I have effected the trumscription of the whole.

'It is worthy of remark, that in this alphabet, which we may aptly denominate the Andhra character, from its locality, may be trueed the gradual transition from the more simple Devanigari of Northern India (So. 2 of Allahabad, Gays and Gujurat) in the Section of the to the complicated or florid writing of the Southern Peninsula. On comparing it with the Hala Kanara, or ancient Karnatic, the letters u, t, y, r, l, &h, th, dh, bh, which may be regarded in some degree as test letters, because they have undergone more variation than others in the modern writing of different provinces, are nearly identical. There is also an ineignent loop in the lower line of many of the letters which becomes afterwards more developed in the west and south. The Telings or Telugu character is one step further re rings directly from the Hala



type as chanced to be available, amid which may be found some isolated forms that might stand but indifferently the test of local criticism.—E.T.]

and the Licensephysics plate ("Jour. As. See. Beng.," vol. vi. pl. xii) we have thought it worth while to exhibit these resemblances, and point out the psculierities noted, that no means may be neglected of facilitating the examination of other inscriptions that may link on materally at either end of this fragment of the chain of our Indian pulseography."



XIX.—EXAMINATION OF THE SAH INSCRIP-TION FROM GIRNAR IN GUJARAT.

SANSKRIT INSCRIPTION, No. 1, FROM JUNAGARH.

[I insert Jas. Prinsep's translation of the Sah inscription at Girnar as it originally appeared in the 'Jour. As. Soc. Bengul'—notwithstanding that it has to a certain extent been superseded in the acquisition of more perfect copies of the monumental writing than he was constrained to rely upon—in order both to complete the record of his contributions to an important section of Indian Numismatics, and to serve as a needful introduction to his notes in illustration of the subject, which retain, with but limited exceptions, their pristine value!—E. T.]

After the announcement made in the proceedings of the Society, that the Governor-General has acceded to my request, for the deputation of an officer to take exact facsimiles of the several inscriptions in Gujarát, which have turned out to be of so important a nature, it may seem premature or superfluous to continue the publication of the analysis of the less perfect document now in my hands. But it is only in a few uncertain passages that the expected corrections are desired. The body of the matter is sufficiently intelligible, both in the Pálí edicts of Girnár, lately published, and in the Sanskrit inscription from Junagarh, which I have chosen for the subject of my present notice. I should, indeed, be doing an injustice to Capt. Laing, who executed the cloth facsimile for the President of the Bombay Literary Society, and to Dr. Wilson himself, who so graciously placed it at my disposal, when, doubtless, he might with little trouble have succeeded himself in interpreting it much better than I can do, from his well-known proficiency in the Sanskrit language; it would, I say, be an injustice to them were I to withhold the publication of what is already prepared for the press, which may be looked upon as their property and their discovery, and to mix it with what may hereafter be obtained by a more accurate survey of the spot.

Before, however, proceeding to the inscription itself, I insert Dr. Wilson's account of the site.

'The rock containing the inscriptions, it should be observed, is about a mile to the costward of Junaged, and about four miles from the base of Girnar, which is in the same direction. It marks, I should think, the extremity of the Margada of the secred mountain. The Jainas, as the successors of the Banddhas, greatly honour it.'

The rock or large stone above alluded to, appears to contain all three inscriptions. On the eastern side facing the Girnár hill are the edicts of Asoka in the old character; on the western side, the Sanskrit inscription which I have selected as my theme for the present occasion; and on the southern side a third inscription, longer even than either of the others, but somewhat more modern, and less distinct.

The western inscription, then, is near the top of the stone;—it covers a surface of ten feet and a half in breadth, by five feet in height. The stone is a good deal cut or worn away in two places, but it does not seem that anything has been lost on the outer edges, the irregularities there visible proceeding from the contour of the stone. Capt. Laing's facsimile is lithographed on a very reduced scale in the 'Jour. As. Soc. Beng.,' vol. vii., pl. xv.

The character is only one remove from the Buddhist alphabet of Girnár. It has the same mode of applying the vowel marks e, a, and o, in particular to those excellent test letters, a, a, and m. The vowel i is still formed of the three dots; but I need not more fully dilate upon its peculiarities, since I have already inserted the whole alphabet, as No. 3 of the comparative table [Pls. xxxviii., xxxix.] A few, also, of the principal passages are now subjoined on a larger scale in pl. xix., 'Jour. As. Soc. Beng.,' vol. vii., as upon them rests the value with which this inscription will, doubtless, be regarded in Europe as well as in India, on account of the historical information it is calculated to afford.

Once transcribed into modern Nágari a Sanskrit inscription becomes easily intelligible through the aid of a
skilful pandit. In the present instance, it has only been
necessary to change two or three dubious letters to enable
Kamalákánta to explain to me the contents of all the
continuous passages which still exist on the stone, and it
is fortunately not very difficult to imagine from the context what must have occupied most of the spaces now
eroded or mutilated.

TRANSLATION OF THE GIRNÁR BRIDGE ASSESSIPTION (APRIL, 1838).

(Be it) accomplished ! This very impussable bank at the feat of the hill city (Girinsguru³). (15 syllables) with wide expansion and with great

¹ The same invocation, siddham, is used in the Skandagupta inscription, pl. i.
² The vowels of the word Girmagur are wanting, but the name cannot be mistaken, being modern Girnar.

depth of strong massary, carried all along the bettom of the said hill, filling up the interstices or irregularities in even layers, up to the height of the bank . . . (30) by a chosen (architect?) the foundations of the bridge being completed most substantially, by ambanking off in various ways the water (50) by workman chaored on by kindroness, and with a vast abundance of materials, was in progress. Thus the work continued under favor of the Haja. Mahakahatrapa (the great patrox of the warrier class), who was moned Swami Chastina (and was completed) in the accenty-accord year of his son, the Kelastrapa, mindful of the lessons of his instructors, the rhis named Aridana, in the dark half of the mouth of Margainsha (afterwards) by an imosense inundation, brought on by heavy rains, converting the whole surface of the earth into an ocean, and making a mass of mud of the hill of Urjayata (7)-... by the tempestoons waves of the Palestal giver, and its several tributaries, the bridge (was corried away. Bubsequently) in confirmity with the original design, (it was) repaired with blocks of stone from the hill, remedying the difficulties of the passage way with numerous long beams and trees laid across, and skillfully eniting them (A second time) by the force of the waves, in a florer hurricane and flood, (it was) broken down and much damaged, (after which), with stones and trees and piles, and massive beams' stretched across, it was again put into complete repair, with an indestructible ambankment, baving a length of 400 oubits, and in like manner having a breadth of 75 cubits, in a wonderful manner taging out all the water, and laying dry the bed of the river ! by Pupys Gupta, the territorial transcerer of Raja Chandragupta Maurya, (this) was caused to be done; and by the Yennes raje of Ascha Maurya, (named) Tushneps, it was ornamental with service and pursper, and with an artificial canal visible there, over which the bridge also extended, in a morner worthy of the approval of the righ. (Afterwords) by blue, who, being predestined from the womb to the uncoming and increming possession of the fortunes of royalty, was invited by all classes. waiting upon him for the security of their property—to be their king :- who, from clear intelligence, has not suffered the satrates of animal life; - who is faithful to his promises—who is courteous in speech—who is buttle, opposed feer to face with an equal antagonist, and forestening to discharge his weapons, compassionates his yielding for who gives hope to these of their own accord repairing to him to beserch for empoors preserving the ancient customs of the town unin-

" **ufor** afor, the joining or exmentation of mesoney, is now called by a similar name jords. I suppose the piers or foundations to be intended.

^{*} TIMERCAL (sie)—if this is excreelly traced, it contains a grammatical error, in the substitution of T for ; after W. The name might be read diri; or Redre, were the preceding word susses. The date may be read either variable divinguitation (see) followed by numerals,—or Are demon markle divinguits nature, in the 72nd year after the death of Archimes. As there is a space after dwe, note may be also supplied, making the date 270.

a unreality user, the introduction of Decera here is hardly intelligible, perhaps we should read ensemble; sure some such rape with market — the removes of the impellments to the flow of the current from the beams and materials that had fallen into the river.

Jetera:—the distinction of poles and latter in the modern wood market is, that the former are unsuperred, and the latter, equared timbers.

⁵ I have given to this observe passage the best some in which I think it explicable, as the breadth, 75 embits, could hardly have been that of the bridge itself.

fringed by the proud and insolent; -who is lord of the countries of Avanti, Annpa (?) Vrije, Ameritu, Sgrashtra Sevara, Kukhra, Kirhta, Tishet, and others, all conquered by his own might, and maintained in their former prosperity, and all their inhabitants, both high said low, converted into obsdirnt subjects-all these countries, under his majorty (forming one surpirs), and furnishing every object of desire and gratification: who is the powerful leader of an army obeying him foully as one born with the title of a renowned here; - who, after more than one conquest. of Satkarni, the king of Dakshinopaths, by merely a threat (of attack), concluded a pence (with him) for the security and protection of his country and again set up his royal barner; -who has a natural taste for exercising and improving the strength of his band, scentiling to the value?; -who is renowned for his skill in the practice of all the eclobested scioness, of grammer, of polity, of singing, of expedients (mechanics?) and the rest, the theory of which he has gone through, and tolorably retained; -who, powerful in horses, elephacts, chariots, exex, weapons, and armour , exceedingly elever in banking down the strongholds? of his ensmiss; -- who is every day happy in the bostowed of alms and mercy ; -- who is affable in manuers; - whose treasury is abundantly filled with gold, silver, lin, and the lapin lazuli juwel, brought as tokons of his greatness, afform to him as his just and proper measure of iribute; who (auderstands) the precise stiquette of (courtly terms), their lent in gait, rolor, vigour, and strength, &c.; to form and limb of most ampirious expert; -who, of his own (morit ?), has the title of 'patron of warriors and king of man;' -who is crowned with the gerhard of flowers won in the Swarzaware revenues (or tournament) ;-- by this great patron of the warrion (or Satron) Radra Dami. stalors for the increase of his religious famo, and in kindness and compassion for females, and the lame and tiek and with a most liberal expenditure from his own tremmry (for the people?); -- consenting at once to the petition of the chief citizens; -the construction of this bridge with threefold strongth, after das inspection, was ordered to be done; thru:

By the dignified in virtue, the chief minister of the great Setrap

the road was also limed with trees, conferring pleasure (on the passers by).

Further, by him who, out of favor to the inhabitants of town and country, restored with substantial repairs the excellent condition (of the bridge) to the good subjects of this metropolis,—who made it improgramble to the terrents of water ? by the descendant of the Publarian tribe, Mavya, the contractor, who has finished his work precisely so the terms of his estimates and plims, so m to give

2 By inadvertence, I have emitted the repetition of the word agrica कार्जिताजित

at the beginning of the 13th line in the lithograph.

In former times, Hindd numbers show their favourite among a band of enitors by throwing a garband over his neek. A play on the name Done is intended.

Most of the countries enumerated here are to be found in the Purkras. Avanti is well known as Oujein; Vrija is the country about Mathum, America is maptioned with Combeje, Sindha, and Torona Margano (*As. Ben.' viii. 339, 341), and is therefore probably in the Panjah:—Kukura is enumerated in the earne last with Benares; Savara is called a wild tribe in the mosth-cast. There are three Kiristas named—two (Chandra and Rajya) in the morth-cast, and one in the south (pp. 339-41) Tishut may perhaps be read Tochadi in Katak, of which more becaute.

satisfaction,—the strong man and overowner of difficulties, corrounded by his overseers (pattis),—by him, the establisher of religious fame, and the increaser of the glory of his master, was this work executed."

OBSERVATIONS.

I have already remarked, that in this inscription, for the first time, we find the name of the great Chandra Gupta, the contemporary of Alexander, recorded on a genuine monument of antiquity. There can be no doubt of his identity, because his family name Maurya is added; and further, the name of his grandson, the no less famous Asoka, immediately follows, designated also by the same family cognomen of Maurya.

On first discovering this important fact, and perusing the mutilated fragment with Kamalakanta pandit, as well as we could make it out, I thought myself in possession of a record of the time at least of Asoka, by whose deputy or viceroy the bridge seemed to have been completed. The long string of complimentary epithets which fill up the bulk of the inscription being in the instrumental case, and thus agreeing with the Yavana rajona of the upper sentence.

This turns out not to be precisely the case. A considerable period is embraced in the history of the Girnár bridge, partly anterior and partly subsequent to the time of Chandra Gupta;—thus it seems originally to have been erected by a Prince named Swámi Chashtána, a name rather Persian than Indian;—it was then either repaired

^{&#}x27;Anachthium agive, accomplished. The same word is used at the foot of the Allahabad inscription—(vol. vi. 978). But I know not how it there shaded the apprehension of the pandit who made me write in lieu of it agiven 'remaining firm or fixed.'

or more probably completed by his son Aridama or Atridama in the month of Märgazirsha or Agrahayana, in the year 72, but the letters which follow are unfortunately illegible, and we are left in the dark as to the era then in use for recording events.

The bridge was then totally destroyed by an inundation of the river Paleshini, a name I cannot discover in the map of Gujarát. Thus temporarily repaired, perhaps by the inhabitants, it was again carried away; and a more thorough reparation was commenced under orders from Chandra Gupta Maurya, by his prefect of the province, Pupya Gupta, and completed in the reign of Asoka, his grandson, thirty or forty years afterwards, by his Greek officer, for so I think we may understand Yavana raja. The brahmanical population of the distant province of Surashtra probably had but little affection for the Buddhist monarch, who is not even honoured in the inscription with the title of raja, being simply styled Asoka the Maurya! The name of his Greek employe is not very plain on the cloth; it may be read तुपक्षन—' by Tushaspa,' a name evidently of Persian termination, like Gushtasp, Lohrasp, etc., from asp, 'a horse' (Sans. asca). Were the name written Tushasva, we might have supposed it a translation of the Greek name Philippos, having precisely the same meaning; and we might have argued that some adventurer having, from his military prowess, obtained service under Asoka, had added those new provinces to his empire, which we find noticed in his religious edicts, and had at length usurped a considerable share of power to himself; being, in fact, the very Yona raja whom the Muhammadan historians state to have

dispossessed Sinsar Chand's grandson. But I am sensible that I have been frequently guilty of running ahead of prudence with my deductions, and I must consequently draw in a little; for it may be possible, after all, that the word yavana does not exist. It is preceded by the letter a, which I have rendered a, 'further,' 'too;' but the expletive is somewhat out of place, and some may prefer the reading unlaw always and forests.'

To continue my history of the bridge :-- after the last repairs, although no accident is mentioned, we must conclude that such had occurred, and that the bridge was rebuilt by the prince upon whom the largest share of the culogistic inscription is lavished. The opening passage may perhaps be recoverable on a careful re-examination of the stone. Towards the close, it does indeed mention that on the petition of the inhabitants (backed by female influence?) he strengthened the structure three-fold at his own expense. Now the name of this prince is Rudradámá, destined, it says, from his eradle to be elected to the throne, -his title is Rája Mahá Kshatrapa, the same as that of Aridama and Swami Chashtan. We may therefore view him as a scion of the old dynasty, replaced on the throne after a temporary subjugation of the province by the Maurya sovereigns of India proper.

It is curious, and most interesting to those whose attention is engaged in the subject, to observe how different ancient monuments throw light upon one another, and help to their mutual development. The name of Rudradámá recals to our memory the series of Surashtra coins

described in my journal hardly a year ago. Among the eleven names there distinguished, Rudradámá was conspicuous as following just such a break in the line as would be made by the cause above alluded to. Again, the title then read as Mahá Kritrima, the elected king, on second examination agrees precisely with the present more palpably developed Mahá Kshatrapa. On referring to the plate of Mr. Steuart's coins, sent to me by Capt. Harkness, I find that I so read the word at first, and noted it in pencil, but gave it up on the pandit's ignorance of such having ever been a title in use. Had I possessed at that time a comparative alphabet to consult, I should immediately have perceived that the right hand twist at the foot of the & did not then denote as it does now the vowel ri, which was formerly turned in the contrary sense; but that it was the cerebral sh subjoined to the k (forming ksh), exactly as it occurs on the Junagarh 1 inscription. The p also deceived me, being more pointed than the same letter in the word puira; but on examination of the coins in my possession, I find it generally rounded off as U, and never crossed below as the m.

The word www. kshatrapas, although wholly unknown as a sovereign title to modern Hindús, and not to be found in their books, is familiar to the reader of the Grecian history of ancient Persia, with merely a softening of the initial letter, as zarranez. Satrapa, the prefect of a province under the Persian system of government. I do not believe that the etymology of this name has ever

¹ I have before remarked that this town seems called after the Greek prizes,

been traced. It is called a Persian title, but the Persian dictionaries only contain - Satrab, as an obsolete term for the governor of a province, without explanation of its origin. In Sanskrit it signifies the ruler, feeder, or patron of the kshatra or military class; and now that we know the ancient language of Persia east of the Euphrates to have been a near dialect of the Sanskrit, we may conclude that Satrapa had the same signification in Ariana. It is not for me in this place to speculate on the purport of the term in the Persian polity, but it is a fact well known that the effeminate Persians at a very early period were in the habit of governing their numerous tributary provinces by mercenary troops. The same system, and the same denomination of Satrap, was adopted and retained by the Macedonian conqueror, both when Greek and native officers were employed; and instances are frequent enough of the Satraps assuming to themselves independence and a regal title,

The Satrapies of the ancient Persian monarchy are not supposed to have extended across the Indus. If, in Alexander's time, this limit was first transgressed, it was not long before the Bactrian Greeks, or the Parthians, made themselves masters of Sindh, Kotch, and Gujarát. The present inscription may incline the learned to conclude that Suráshtra was before then one of the Satrapies of the empire, from the name of Chastan, the Satrap, who is stated to have first erected the bridge, and who must have preceded Chandragupta. Budra, Viswa, and others of the list are more Indian in sound. It is remarkable

¹ See Jour. As. Sec. Beng., val. vi., p. 384, for Vincent's authority on this subject.

that in the long string of epithets applied even to Rudradámá, the chosen Satrap, there is none which bears the slightest allusion to Hindú mythology; while, on the other hand, the coins of the whole dynasty bear an emblem which we have hitherto considered either of Mithraic or of Buddhist import. The name Jinadámá (wearing Buddha as a necklace) is decidedly Buddhistic; and the epithet applied in the inscription to Rudradámá, —'who, from right persuasion, never put any living creature to death,'—proves that Rudra's opinions were at any rate influenced by the proximity of the important Buddhist establishment at Girpár.

The style of prose culogy employed by the composer of the inscription puts us much in mind of our old friend, the Allahábád column. It has its corresponding list of countries conquered and equitably ruled; but few of the names are, as might be expected, the same in the two. Avanti or Ujjayani, and Vrija (if the latter name be correctly read) are of the most importance as implying that the elected kings of the Sah family, or the Satraps of Surashtra, as we may now more properly call them, had acquired dominion over all the central portion of India, driving back the Magadha sovereigns (who had previously spread their hands to the farthest west), into their own Gangetic limits. The other places, Anartta, Kukura, etc., are probably provinces to the northwest, out of India proper. One other name, however, deserves our particular attention, the king of the Dakhan (Dakshinapatha), who was twice threatened with an invasion, and brought to sue for peace. His name is Sátakarni, the same which occurs several times in the lists of the

Andhra kings extracted by Wilford from the Bhagavat and other Puranas. It is a patronymic, from unafth, the hundred eared, which was, doubtless, the name of the founder of the family; and Satakarni was probably the surname of all the line, though not repeated everywhere in the versified enumeration of the Puranas.

The locality of the Andhra dominion has hitherto been as uncertain as the period of its sway. Wilford says in one place that the Andhra princes 'made a most conspicuous figure on the banks of the Ganges for above 800 years;'' again, that Andhra and Koshala (near Kalinga) are used synonymously by some Hindú authors: again, that Srí Carna-deva took the title of king of Tri-kalinga, or of the three shores, to the east and west and south of India. From our inscription we perceive that the general term of Dasshinapatha agrees well with the latter definition, and we may rest content with denoting the Såtakarnis as kings of the Peninsula.

Further, as to their age, we find one of the name contemporary with Rudradáma who followed Asoka (we cannot say at what precise distance). Wilford brings them much lower down, from the third to the sixth century after Christ, in order to square the last of their name, Pulomarchi, or Puliman, with the Pulomien of the Chinese.

He is forced to confess, however, that there were Andhras at the beginning of the Christian era, when, says Pliny, 'the Andaræ kings were very powerful in

^{*} Asiatic Researches, vol. ix. p. 101. * Ibid, p. 104. * Quere. Is not Brahman written with this orthography in Chinese ?

India, having no less than thirty fortified cities, an army of 100,000 men and 1000 elephants.

We must, therefore, consent to throw back the Andhras; and, instead of requiring them to fall into a general and single line of paramount Indian kings, as Wilford would insist, let them run in a parallel line, along with the lines of Surashtra, Ujjain, Magadha, and others, individuals of each line in turn obtaining by their talent, prowess, or good fortune, a temporary ascendancy over their neighbours: thus at length we may hope to fulfil Capt. Tod's prophecy,—'let us master the characters on the columns of Indrapreshta, Prayag, and Mewar, on the rocks of Junagarh, at Bijollie on the Aravulli, and in the Jain temples scattered over India, and then we shall be able to arrive at just and satisfactory conclusions (in regard to Indian history)."

[Prof. H. H. Wilson has most oblighingly favored me with the subjeined revised translation of the interesting monumental record which forms the subject of the preceding remarks. The text upon which the interpretation is based is derived from an independent Devanágari transcript of the original, I had prepared with much care from the improved fac-simile of Mesers. Westergaard and Jacob, published in the Journal of the Bombay Branch Roy. As. Soc. for April, 1842. Prof. Wilson has of course referred to the amended lithographed transcript of this

¹ The name Saragan, given in the Periphus as of a severeign that had formerly reigned at Kallienz (near Bembay), has some rescriblance to Satakurni; but I will not build upon such uncertain ground.

Tod's 'Rajasthan,' I. 46: he gives a curious derivation, by the way, of the name of Junagurh:—"The 'encient city,' per reciseous, is the only name this old capital, at the foot of, and granding, the sacred meant Girnar, is known by. Ahul Full says it had long remained desclate and anknown, and was discovered by mere accident. Tradition even being silent, they give it the emphatic name of Juna, 'old,' pur'A, 'fortress.' I have little doubt that it is the Anidarga or Asilgurh of the Grahilote annals, where it is said that prince Asil raised a fortress, called after him, near to Girnar, by the consent of the Publi prince, his uncle."

writing, and verified my doubtful readings. His Sanskrit text and commentaries will be reserved for separate publication, in the 'Jour. Roy. As. Soc.' The matured result is all that I need desire to present to my readers.—E. T. 1

REVIEW TRANSLATION OF THE SAM INCOMPTION ON THE GUNGA BOCK.

(1). This perfect, delightful, beautiful (consewer?) from Giringer to the foot of (was constructed) of stone (and in) breakth, length, and bright, was firmly built as a public road along the skirt of the mountain Emulous 1 formed

(2). by that artificial cosmway, and will renowned.

(3 and 4). , resasins in a great leap. . , then this . . , in the year two (and) seventy (?) of the regal Mahahabatraps ! Rodra Daman, whose name is repeated by the venerable, the see of the royal Mahahshatrapa, of well selected name, Swami Chambana

(6). In the bark half of Marga Sirska, the earth was converted as it were into a sea, by heavily raining Panjanyu, so that the golden sand of the mountain (was

washed sway !).

(6). And by the exceeding violent currents of the Pulsaini, and other rivers, destroying, as if at the and of the world, all that sought as asylam, even on the highest parts of the hill, as well as along the skirt, and bringing down the trees from the peak, the escorway (was broken down !).

(7). And this being governmented by a terrible strong wind, the water rushed down like a cataract, sweeping away the stones, troos, shrule, evolutes, along the river, by (whose joint efforts) four hundred cubits (were thrown down)..........

- (8). And seventy cubits (more) broken by the torrent was caused to be made by Pushpapupta, the chief ertificers of the Maurya King Chandragupta, by Tushasyonu, the Yavana riga of Ascks, the Mourya, through good ferfesse was asterned to through that restoration, the ritis (announced) to all castin having some to me the sameway, for their accurity, that by him discontinuous was made of putting men to death, by expelling the breath of life.
- (10). By observing this engagement, he (overcome all enemies, and extended his rule) over many well affected countries, conquered by his prowess.

(11). Both in the cust and week, as sventi America Surashtra . . .

kukkura Aparauta, and all the nishadas.

- (12). Having repeatedly evercome Shtakarni, the lord of the South, he concluded on ulliance (with him?).
- 4 Apparently alloding to the Selubandha of Hama, to which that of Girinager is

Rajno Mahahahatrapa may also mean ' the great Satrap of the King.'

2 But there is room left, by defects in the immription, for one or more names between Rudra Daman and Swami Chandson.

* The words are Sashti Taguayena, possibly for Sreshtiya Gusyena, or the last may be intended for Guptera, as if there was a Sashtigupa after Chandragupta.

* The inscription records the repair of the causeway by Budra Dama. Here, apparently, it relates its having been built by some officer, or by the successor of Chandragupta; and repaired or beautified by the Tayona raja (?) in the time of Asoka.

As an atonement for leading my readers into this long digression, I now present them with an engraved plate of all the varieties of the Surashtra group of coins yet found. There is one new name added through the diligence of Lieut. E. Conolly. The rest are already known; but I subjoin their corrected readings for the satisfaction of my numismatical friends. The fact of their having a Grecian legend and head on the obverse is now explained, and the date of their fabrication is determined so far that we may place some of the early reigns in the second and third centuries before Christ: to what later period they descend we may also hope to ascertain through the means of other coins which will come to be described along with the third inscription from Junagarh, as soon as we obtain a correct facsimile of it. I may here so far satisfy curiosity, as to state that this third inscription,the longest, and in some respects the best preserved, though from the smallness and rudeness of the letters it is very difficult to decipher, -is in a more modern character, that allotted to the third century after Christ, or the Gupta alphabet; and that in the opening lines I find an allusion to Skanda Gupta, one of the Gupta family, whose name has also been found upon a new series of the Suráshtra coins. The words are ... बीति विनुष नुपति: काच्युप्त: पृष्ठकी: चतुर (Vide 'Jour. As. Soc. Beng.,' vol. vii., pl. xix., and vol. i. ante, p. 247).

We shall thus be able to string together by means of the inscriptions and coins of ancient Surashtra a continued series of names and dates from the time of the Maurya dynasty to that of the Gupta dynasty of Kanauj, which terminates the catalogues of the Puranas. Dates, too, did I say? Yes, I am in hopes of adding even actual dates to the series, for I have been fortunate enough to light upon a clue to the ancient forms of the Sanskrit numerals, and to discover their presence on the very series of Suráshtrian coins to which I have been just alluding. But here again I must solicit a little patience while I describe the grounds of this new assertion.

ON THE ANCIENT SANSKRIT NUMERALS.

The most ancient mode of denoting number in the Sanskrit languages, as in the Greek and Latin, was by the use of letters in alphabetical order. This system we find prevalent in all ancient Sanskrit works, as well as in the Pálí, the Tibetan, and other derivate systems. There do not, indeed, appear to be any numerals peculiar to the Pálí. In their sacred records the words are always written at length; they have also the symbolical words of the Sanskrit astronomical works, and what is called the Varna sankhya, or numeral classification of the alphabet. The numerals now employed in Ceylon, Ava, Cambodia, Siam, have hardly the slightest affinity to one another.

When this system was exchanged for that of the decimal or cipher notation does not appear to be known, or to have been investigated by the learned. Up to the ninth or tenth century of our era, the Nagari numerals extant on numerous monuments do not differ materially from those now in use.

In the Gupta class of inscriptions, as far as I know, no numerals had as yet been found until I noticed some doubtful and unknown symbols on the Bhilsa monument. In the Buddhist pillar inscriptions the dates where they occurred were uniformly expressed at full length.

A few months ago I was engaged in transcribing and reading with my pandit some copper-plate grants supposed to be of the third century, found in Gujarát by Dr-Burn, whose beautiful copies of them I hope shortly to make public. In one of these, the date was entered at full in the words and unnety-four. A few lines below this the word a state again occurred, followed by three symbols, d, m, f, which must, of course, be numerals: they are more exactly copied in pl. xl., and, according to the preceding statement, should be 394.

On a second plate in the same manner, the date in words was tract an adiamina arisin yaungui, 'in the 15th of Kartik, samuat 380,' and in figures ii, d, l, arisin y

On a third plate the date in words was navousfunction of the district, 'Kartik full moon, same at 385,' and in figures d, l, i, and o, i, as before: in both of which the same symbols occur for 1, 3, 8, and 5; and the latter figure, much resembling the ancient letter na, but slightly altered, was again observed on a fourth plate sent me by Dr. Burn, from Gujarát, which did not contain the date in words, thus, *\frac{1}{2}, \frac{1}{2}, \frac{1}{2}, \frac{1}{2}.

¹ [In the original text of the 'Jour. As. Soc. Beng.,' fac-similes of these numerals are inserted in each place; as these are repeated in full in Princep's own Plates No. 11. of the present series, and are re-copied and classified in my supplemental Lithograph, pl. 11. s. I have not thought it measurer to have these types re-cut, but have supplied their places by italic letters, whose several correspondents are duly defined in the new transcript of pl. 21. s.]

Much pleased with this new train of discovery, I turned to Mr. Wathen's paper in the fourth volume of the Journal, in which I remembered his interpretation of the date on a similar grant by Sri Dhara Sena, as being in the ninth year of the Valabhi Samuat of Tod, corresponding with a.p. 328. Here the translator had no written entry to guide him, nor had be any clue whereby to recognize the mimerals which followed the abbreviated Sancat, thus, d, c, which we now perceive to be 300, + some unknown unit. I immediately wrote to Mr. Wather and to Dr. Burn, requesting them to examine carefully the dates of all other plates in their possession, and from them in return I received all the examples which are inserted in plate xl. From the whole series combined, we may venture to assign a certain value to the 1, the 5, the 4, the 5, the 8, and the 9.

The last of these, I could not but remember as the symbol on one of the Bhilsa inscriptions, which led to so many conjectures a year ago. In the form of \bigoplus we have evidently our m, or the year 0, but the three strokes at the side would appear to modify its value, or to be themselves a numeral, perhaps the a. Then, as we find the preceding k has not a dot above it, we may use that also as a numeral, and understand the whole k, m, a as a or a0, or a00 according to the value to be hereafter assigned to a1.

Again, in the second Bhilsa inscription (*Jour. As. Soc. Beng., vol. vi., p. 458, pl. xxvi.), the fig. 3, with another, is perceived following the word wan, and the last letter may possibly be a numeral also. In Mr. Ommanney's Multai inscription, two numerals of the

Sanshrit Numerals

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Ancient Numerala on Experplate Grants

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ANCHENT NUMERALS COSTORED 9 8 7 4 9 00 N 00 98



same class were observed ('Jour. As. Soc. Beng.,' vol. vi., p. 869.)

It may also be remembered that in my notice of the Surashtra coins (vol. i, p. 433), I remarked behind the head on the obverse, besides a legend in corrupted Greek characters, a few strange marks, not at all like either Greek or Sanskrit alphabetical characters; to these I now re-directed my attention, and was happy to perceive that they too were in fact numerals of the same forms, and of equal variety with those on the copper-plate grants.

I have arranged at the foot of pl. xl. those specimens in my own cabinet, on which the figures are best developed.

Upon bringing the subject to the notice of Dr. Burn, at Kaira, he wrote me that he had already remarked these symbols on another very numerous class of old coins, found in the ruins of the Gujarát towns. They are made of lead or tin; and have on one side, in general, a bull, and, on the other, the triple pyramid which forms the central symbol of the silver hemidrachmas of the Suráshtra satraps. I have not found space to introduce them into the present plate, but fig. 22, pl. xxxvii. will serve as a representative of the whole class. It is a finely preserved copper coin, most opportunely discovered and presented to me by Lieut. E. Conolly, from Ujein. It bears the numerical symbols d, k, very distinctly marked under the Chaitya symbol. Among the facsimiles of the leaden coins, I find d, I,:, and d, m,:, with barely room for a third figure, but in one the reading is d, j, g, so that we may venture to

place them all in the fourth century of some yet unknown era.

Among the silver coins the variety is greater : fig. 23, which I find by the reverses is a coin of Rudra Sáh, has the year d, l, h.

Another, fig. 26, also of Rudra Sah, has the third figure well developed d, I, a.

Fig. 24, of the sou of Rudra Dámá (the repairer of the Girnar bridge), has apparently the numbers, d, m, :, or 390.

Fig. 12, from Ujein, Rudra Sáh II. has d, d, b, the first three rather faint. In a coin of Viswa Sah, given to me by Mr. Wathen, similar to fig. 0, of the plate, the date is d, b, g.

Fig. 25, is a well brought out date d, j,:, on a coin of Atri Dama, son of Rudra Sah, in my cabinet: the coins of the same prince in Mr. Steuart's plate, and one also of Aga Dama show traces of the same second figure.

Now, although the succession of the Satraps, or Sah family, as given in volume i., p. 429, rests but on slender evidence in some points; still, where the names of father and son are consecutive, we may rest with confidence on it in fixing the priority of such of our newly found numerals as occur on them respectively.

We must, for the sake of perspicuity, repeat the list, with the addition of the dates as far as we have traced them:

REGAL SATRAPS OF SURASHTRA.

- I K. Rudra Sáh, son of a private individual, Swámi Jina Dámá.
- 2 K. Aga Dámá, his son.

(Here the connection is broken.)

3 MK. Dámá Sáh (no coins.)

- 4 MK. Vijaya Sáh, son of Dámá Sáh.
- 5 K. Vira Dámá, son of Dámá Sáh.
- 6 MK. Rudra Sáh, son of Vira Dámá, Samual, b. / ? / 1, a, and d, a, :.
- 7 K. Viswa Sáh, another son of Viru Dámá ditto d, b, g.
- 8 K. Rudra Sáh, son of M.K. Rudra Sáh, ditto d, d, b.
- 9 MK. Atri Damá, son of M. K. Rodra Sáh ditto d, j, :..
- MK. Viswa Sáh, son of Atri Dámi. (Here the connection is broken.)
- 11 MK, Swámi Rudra Dámá (no coins.)
- 12 MK. Swami Rudra Sah, his son, Samuet, d, I, A, and d, m, : ' ..

The two last names being insulated from the rest, were on the former occasion placed by me before Dámá Sáh, because the form of the letter j seemed of the earlier type. Since, then, I have learnt that the turning up of the central stroke of the j constitutes a vowel inflection. I now, therefore, bring the two Swámis to the foot of the list, on the plea that all figures must have precedence of the 9 or m. In the same manner we may now argue that b precedes d, this figure j, and the latter again l.

To aid in prosocuting my inquiry, I begged Kamalákánta to point out any allusions to the forms of the ancient numerals he might have met with in grammars or other works; but he could produce but very few instances to the point. One of these is to be met with in the Khtantra Vyakarana, a work of Belála Sena's time, where the conformation of the four is alluded to in these words,

श्चन युगाङ्गतियतुरङ्को विसर्गय

Like a woman's breast is the figure four, and like the visurga;

and the visarga is further explained by a passage in the Tantrā-bhidhāna, a more modern work still, dated in 1460 Saka.

द्विटः खाड्डाननप्रिया उकारेखवर्णसाम्यात् विसर्ग

The name of visarga is 'two the,' ' Smile,' analogories, - because the visarga has the form of the letter (\$\delta\$ (0).

This merely alludes to the modern form of the 4, which exactly resembles the Bengali visarga.

The oldest allusion he could furnish, was the following on the form of the 6, from Pingala's 'Prakrit Grammar.'

क्रमुबवद्भद्रमत्ती बलोजझहोर मुद्रएक्क बलो

"The guru much! is like the figure 6, crooked, and of two strokes; it is called also lake (layke), it is also denoted by one stroke or one minute."

This passage evidently alludes to a form of 6 more resembling the Bengálí than the present Nágari type.

Another channel through which I was in hopes of tracing the ancient cyphers, was the numerical system of those Indian alphabets which bear most resemblance to the forms of the earlier centuries, such as those of Kashmir, etc. In the specimens of these, which I have introduced into the plate for the purpose of comparison, it will be seen that the three has certainly considerable affinity to our d; while the one and five approach nearly to our a and h. There is a faint resemblance in others of the group; but some again are totally changed.

The Tibetan numerals (of the seventh century) do not yield much more insight into the matter. They are, we may say, one remove backwards from the Bengalí numbers—the 1, 2, 3, and 5, only agreeing better with the Nágari forms. The 1, however, agrees exactly with one of the ancient figures on the coins, and this has been my inducement to consider the latter as 1.

¹ i.e. The mark used to denote a wheet quantity in proceedy and in music, which is formed 3.

Upon regarding attentively the forms of many of the numerals, one cannot but be led to suppose that the initial letters of the written names were, many of them, adopted as their numerical symbols. Thus, in the Tibetan, 5^{-n} , we see the n or p of the same alphabet, the initial of puncha. The same may be said of the Kashmirian, and the modern Hindi form n , and indeed in some measure of the ancient forms h and i.

Again, the Tibetan 6 s, resembles the ch s of that alphabet: the Ceylonese form is exactly the ch of its alphabet, and there is an equally marked connection between the Nágarí & and the chha, which is the common name of this numeral.

On the same principle, in the absence of other argument, we may set down the & of our new series as 7, being identical with 7, the initial of supta.

The modern 3 3, has no small likeness to the tr of the older Nágari alphabets; nor does the 2 differ much from d; but these resemblances may be more ideal than real; for, by an equally facile process of comparison, they might be both derived from the Arabic figures, as might other members of the series, as 7 and 8, in the Nágari of the Nepalese coins particularly.

The 9 of the Tibetan, Bengall, Nepalese, and Burmese numerals is precisely the l of the ancient alphabets. Now, in the allotment of the vowels numerically, the li represents 9; but it would appear far-fetched to adopt one insulated example of derivation from such a source.

The 9, however, of the Surashtra grants and coins is of a totally different order. It resembles the four-petalled flower of the bel, or Indian jasmine; and in the copper plates we find it absolutely represented with a stalk (see No. 1, of pl. xl). Seeking the name of this flower in Sanskrit, mallika, the pandit reminded me that one of its synonymes was nava mallika, which the dictionaries derive from nava, 'praised, excellent,' but which may now receive a much more natural definition as the 'jasmine flower resembling the figure 9.71

It is further to be remarked that, in many of the ancient systems, separate symbols were used to denote ten, twenty, etc. in combination with the nine units severally. The curious compound figure seemingly used for the 1 of 15 in the two cases quoted above o may be of this sort: indeed it somewhat resembles the Ceylonese ten (see plate). On this point, however, I can offer no demonstration, nor any other argument, save that we have already more than nine symbols to find accommodation for as numerals.

With all these helps, and analogies, I have endeavoured to arrange the nine old numerical symbols in their proper order in the accompanying plate, so as also to meet the conditions of the succession of dates on the coins of the satraps of Surashtra. In this I am far from being confident of having succeeded; but having once, as it were, broken the ice, we may soon hope for a more perfect solution of the curious problem, through the multitude of new, or rather old, monuments which seem to emerge from oblivion just at the time they are wanted, under the united efforts of the Society's associates in central India. Once having proved that it was customary to date the

¹ [Prinary's usually quick perception seems to have failed him here, as the Lentin Numerals, in vol. xvi., 'Asiatic Researches,' p. 429, give almost the exact normal forms of 80 and 90, as found in the inscriptions and coin legends.]

coin of that early period, we must direct attention again to the monograms on the Bactrian, Indo-Scythic, and Kanauj coins, which may turn out to be also used numerically.

The numbers, then, which, from comparison with foreign and modern native series, as well as the other considerations above given, I have finally adopted, are as follows:—

Before concluding this division of my theme, I may be expected to explain in what era the dates of the Suráshtra coins can be expressed, so as to place Swámi Rudra Dámá, whom we perceive in the inscription to have followed at some reasonable distance Asoka himself, at the end of the fourth century, or about the year 390. If the Vikramáditya or Samvat be here intended, he will fall after the close even of the Arsakian dynasty of Persia, when the Greek was disused, and the arts had greatly deteriorated; when, moreover, the form of the Sanskrit character had undergone considerable change. If we take the Seleucidan epoch, which might have been introduced in the provinces tributary to Syria, Rudra will have reigned in A.D. 89. If, lastly, out of deference to Asoka's temporary supremacy in the Gujarát peninsula, we take the Buddhist era, then 543-390 will leave 153 s.c. about a century after Asoka, and in every respect the period I should like to adopt, were it possible to establish any more certain grounds for its preference. The most perplexing circumstance is that the grants of the Balabhi dynasty are also dated in the third (or fourth) century, and that it is hardly possible to consider their dominion as contemporary with those of the satraps. For them, indeed, we must adopt the Vikramáditya era, whatever may be determined in regard to the one before us,

Following out the view of the question suggested by Prinsep's remarks at p. 77, in 1848 I succeeded in demonstrating that these signs were uniformly independent symbolical numerals, each denoting in itself a given number, irrespective of any relative collocation; and, therefore, that the d was equivalent to 300, wherever it might be found; and likewise, that the I and m stood for 80 and 90 respectively, whatever position they might chance to occupy. I then proceeded to distinguish these ayrabols of the Sah coin dates that declared themselves severally. units, tens, or hundreds, by their fixed place, in the order of value, which was always fitly maintained, notwithstanding that the figures themselves clearly could not change their signification by any relative re-arrangement. Beyond this, I cannot claim to have advanced the enquiry in any essential degree. The important aid that otherwise might have served me in the sequent classification of the numbers—the test of their recurrence on the coins of the Sah kings-was altogether wanting, from the fact that the order of succession of those princes was in itself undetermined.

A re-examination of the entire subject was therefore sufficiently called for; and it is possible that the new data, which have lately become available, may contribute materially to solve the general problem of the system under which the ancient Indian scheme of notation was primarily conceived.

^{* [*} Jour. Roy. As. Soc.', vol. zii., p. 23.]

* [M. Reimand's 'Mémoire sur l'Inde' was published after the appearance of my Emay in 1838. I therefore transcribe the information contributed by that work towards the general subject. 'Affryounty's remained un passage de son Traité sur l'Inde sux chiffres employés de son temps, ches les Indiens, avec une valeur de posi-

The most important elucidation that this subject has received since Jas. Prinsep's original discovery, consists in the 'Observations on the dates found in the cave inscriptions at Nasik,' by the Rev. J. Stevenson. Among these records are to be found no less than twenty-eight figures, or combinations of figures, usually appended to the written expesition of the given value defined at length in the body of the text; the lower numbers are suffi-

pue l'on a treuvé de plus convenable ches eux. Du reste, les torune sont indifférentes, pourve qu'on s'entende de part et d'autre. Dans le Cathemire, ou ter se sert pas de traits partirulière pour expremer les nombres; on a adopté les signes employés par les Chinois. Mals un peust eur lequel tous les Indiens sont d'accord, c'est de precèdes d'après le système désimal.'

M. Reinand continues : 'Arrèliens nous en moment sur les parches d'Albyrouny : Les Indiens, a-t-il dit, un se servent pas des lettres de leur alphabet pour exprimer des nombres. Il existe un traité susserit, composé par Aryabhatin, dans les premiers sibeles de notre ère, et dans se traité, comme celle se prutiquait charles Greca, les Juife, et plus tard ches les Arabes, les nombres sont exprende par les lettres de l'alphabet agant une valeur acceptairé. Apparentient le procédé employé par Aryabhatia était tembé en désait se trump d'Albyrouny. Néanumine, les per Aryabbatta était bambé en désaétade en temps d'Albyrouse. Séanuaine, les traités scientifiques composés par Brahma-Guyta, en via dische de notre ère, et par les écrivains posiérieurs, na supposent par, en pérèrel, l'augus des chiffest ; les nous-bres sent apprincés par des mois enseptibles d'être rattachée à une quantité quel-souque. Albyrousey ajoute qu'en un pouvait se livres à la lacture des traités consucrés. À l'astronomain, ai l'on ne s'était d'about mude en comple raurte de vette consucré de compter; . . . M. Reimand enme up let informans te the following effect, il nom-blanuit résulter de l'empire de l'autre de l'empire de compter." . M. Remand sums up his inferences to the following effect, 'Il sem-blarait résulter de l'emploi des histers, de l'alphabet per Aryabhatta, pour exputuer les nombres, que dans les premises nibeles de notre ére, les Indices mêmes, en cen-ployant cus lettres avec une valour de position, n'avaient pas emporer en l'idée de recourir à des signes particuliers. A l'égard de la méthode mise en couge par Brahma-Gupta, elle s'explique enfloamment, d'un côté per l'habitude ou les indigènes out été-de tout temps de faire negaties de leur sever; de l'antre, parce que des mota significatifs s'incorpurent mises dans un vers que des chiffres."

Jour. Rombay branch, Ray. As. Suc.', July, 1855, p. 35. 'Jour. As. Soc. Beng.' 1864, Note, p. 407.

I could have desired that the faceimiles of these inscriptions should have been more calculated to command our faith in their exact reodering of the originals, but I observe that Dr. Steveness himself does not place any great reliance upon the transcript, as he remarks, 'I trust also to be able to company all the published orpies of the faceimiles with the inscriptions themselves, which, in respect to those at Nasik, I have been unable as yet to do, so as at least to get as perfect a copy of them as can be obtained in the present state of the rocks. As the faceballes are the property of Government, and executed by another postlemen (Lieut, P. F. Brett), I have done nothing more than, to the heat of my ability, see that the lithographer executed his task faithfully.'—Bombay Journal, 1853, p. 57. And again, p. 50, Dr. 8. observes,

Yoy. un mémoire de feu M. Whish, intitulé, Un the alphabetical notation of the Hindus (*Transactions of the Literary Society of Madras, London, 1827).

ciently simple and obvious, and are only perplexing in the multiplicity of forms some of their exponents are seen to take; the larger sums on the other hand, are expressed by a crude and uncertain method, under which the amount has often to be read backwards in the current line of writing; thus, the generic symbol for thousands is ordinarily entered first, that for hundreds second, while the specific decimal, or unit cipher, which has to determine the value of the whole, is placed last in the order of alignment, followed by the rest of the inscription. At times again, the mark for hundreds is indifferently inserted before or after the figure which indicates the total. If, by any possibility, further argument were required to that end—this double system of arranging the ciphers would alone establish that they were incapable of having their value enhanced or diminished by change of place.

Dr. Stevenson's point of departure, like my own on a previous occasion, was from Jas. Prinsep's investigations of April, 1838 (here reprinted); he does not seem to have seen my paper of 1848, and therefore expresses no opinion either for or against my position, but continues to follow Prinsep in reading "I as three, in preference to three hundred; at the same time that he admits that the triple horizontal lines of the normal 3 fully suffice to express the lower number—for which indeed he has a second variant—and notwithstanding that his own materials contribute separate and independent signs for ten, twenty, thirty, and one hundred: the latter being specifically distinguished from the various generic signs for hundreds.

The next item I have to advert to, is the idea advanced that the Satrap numerals owe their forms to the Bactrian alphabet. This supposition I can scarcely bring myself to entertain.

It is difficult for me at present to may whether the frequent emissions of the point for \$\mathbf{x}\$ and other assembles, belong to the original, or are the finite of the facsimile.

Nack Inscription, No. 2, plate 7.

² Dr. Stevenson remarks, 'In the Satrap inscriptions, the numerals used to express the different same of meany there mentioned are possible.' At first I could determine nothing about their origin, but on a careful examination I found a strik-

The assumption is chiefly based upon the similarity traced in certain forms of the figures to the original letters of the Arian writing; in order to carry out the comparison however, very great liberties have to be taken with the normal forms of the characters themselves-still very incompletely ascertained -and even these, rather forced identifications, are confined to a very limited proportion of the entire suite of the numbers; while on the other hand many of the figures are clearly and indubitably composed of letters of the identical alphabet in which the inscriptions at large are expressed. That these ciphers in their original constitution actually were indigenous letter symbols seems to be further established by other more recent inscriptions, where such forms are frequently seen to follow the progressive modification of the associate alphabet. I omit the dry details incident to the verification of each symbol, referring my readers to the 'Journal of the As. Soc. Beng.,' in which the original paper is to be found."

ing resemblance between the character denoting a thousand (Sahatra) and the Bactrian S reversed. This induced us to examine the rest of them, and I think it exceedingly probable that they are all derived from that mores. The Sactrian Tz, pronounced in Samkrit I as Dark, will represent well the figure, which is first in 5 or 10 (Dasks). The sign for 5 (Passks) is the F, or the old Indian U inverted. The Bactrian double T size appears then the Bactrian letters had been introduced into the Satrap Indian inscriptions as numerical ciphens. The system, also, is the ancient Roman and Greek one, that in which there are different signs for the 1 in tens, hundreds, and thousands; our present decimal notation being, as I have noticed alsowhere, a comparatively modern invention of the Samdom morehents of the middle ages ("Jour, Roy, As, Sec. Bombay," vol. iv.) Further research will probably show, as Mr. Primer has done with a few of them already, that the old Indian numerals are also ancient letters."—Jour, Roy, As, Sec. Bombay, vol. v., p. 35.

alsowhere, a comparatively modern invention of the Semdem more bests of the middle ages ('Jour, Roy. As. Soc. Bombay,' vol. in.) Further research will probably show, as Mr. Princep has done with a few of them already, that the sid Indian numerals are also ancient lettern.'—Jour. Roy. As. Soc. Bombay, vol. v., p. 29.

¹ The Gupta units vary somewhat from the fish examplane, and bence demand a passing notice. As yet I have only been able to discover three definite and complete forms,—the one, which is shaped as an ordinary hyphen, the Y = fiser, and the ourious figure that occurs on cein No. 57, pl. ii., 'Jour. Roy. As. Soc.' vol. xii., which is its outline follows the design of an alphabetical Ty. But, in treating of Gupta numbers, I must fairly warn my readers of a preliminary difficulty that I have experienced in regard to the correct point from whence their exponents should be viewed. The Nank inscriptions display the symbol for one foundard written perpendicularly; and if that he the correct direction of the cipher in the general alignment, the Gupta dates running in front of the profile of the King ought to be read Mongol fashion, like the parallel names of the measurehs of the Gupta race, as usually expressed on the field of their gold currency. On the aliver piaces of the Kumura Gupta, however, whether the sign for 100 may be reversed or not, the arrangement of the tons and units clearly demonstrates that the whole must be read as consecutive rather than as superposed figures, while, strange to say, the dates on the Skanda Gupta

In conclusion, I sum up the results of the present state of the enquiry by the exhibition of the lithographed plate of figures [xl. a] regarding which I have merely to add, that the second compartment includes all such symbols, whether lapidary, numismatic or graven on metal, that I am generally prepared to recognise. The third column reproduces Prinsep's primary conjectural arrangement of the ciphers and their supposed variants. The remaining spaces are filled in with the products of Dr. Stevenson's investigations, but I must warn my readers, that I have taken a double liberty with that author's materials; on the one hand, I have copied my examples of each cipher from the transcripts of the original facsimiles of Lieut. Brett, which are lithographed at large in the Bombay Journal, in preference to following the outlines entered in the companion table of numbers given in that Journal, and supposed to be compiled from the same sources.

On the other hand I have ventured to insert, subject to correction, two signs for 2, which Dr. Stevenson does not definitively acknowledge in his list; but which I obtain from his rendering of inscription No. vi. 'The third figure for hundreds, under the Satrap heading, is also of my introduction, under similar authority .- F.T.]

EXPLANATION OF PLATE XIL.

Fig. 1, (from Stemet's plates), a silver hemidrachma.

Fig. 11, a coin belonging to Mulls Feros of Bombay.

Fig. 13, a coin found by Capt. Prescott at Palhanpur in Gujarát, presented to me by Mr. Wathen.

These three coins have all the same legend, but No 11 exhibits the application of the vowel s in two places, which the others want: the legend thus completed is,

Rojne Kehatropuse Rules Sthuse, Swins Jine Dimeputrane, Of the Royal Satrup, Rudra Sah, the non of the lord Jim Dama.

and Buddha Gupta return seem to messecitate a supposition of a contrary mode of distribution. I have entered the outlines of the Gupta numerals, both tens and units, in accordance with this somewhat arbitrary arrangement, heaving the point fairly open to correction, when more numerous and more perfect specimens of this coinage may decisively instruct as on the general question.

1 "Jeur, Roy. As. Soc. of Bendary," vol. v. p. 53.

The title of Jina Dama, 'votary of Buddha,' is a better reading than Jina Dama, 'subduer of that sext, formerly adopted. [My No. 11].

Fig. 2, (from Stemart's plates), a coin of Aga Dama, son of Rudra

Sáh. [No. 10].

Rijna Kehatropasa Aga Damon, rajma Kehatrapasa Rudra Saka putrasa.

Fig 3, (ditto), a coin of Vijaya Sah, son of Dama Sah. [No. 9].

Bijna Kahatrapasa Fijaya Sahasa, repus meha Kahatrapasa Dama Saha putrasa.

Fig. 4, (ditto), a coin of Vira Dámá, son of Dámá Sáh. [No. 7]. Rejna Kehatropesa Firadóma, rejna mada Kahatropesa Dámá Sáhas putrasa.

Fig. 5, (ditto), a coin of Rudra Sáh, son of Vira Dámá. [No. 13]. Rájno mahá Kahatranasa Rudra Sáhosa, rejiso Kahatranasa Firaldand putrasa.

Another coin, apparently of this Rudra, in my possession, fig. 26, has a date which may be read 283; I find I have two ceins of this prince (one given me by Mr. F. Steinforth). Colonel Stacy has also two of the same; they may be known by the epithet wald.

Fig. 6, (ditto), a coin of Viswa Sub, non of Budru Sab. [No. 4].

Edina Ethetrapear Visco Silvan, rajma make Kahalropusa Rodra Silva putrasa.

Fig. 7, (ditto), a coin of Atri Dama, another son of Rudra Sah; behind the head, but more distinctly in my own coin (fig. 25), is the date 360? [No. 2].

Rejou mahu Kehatrapana Airi dimena, rajou mahu Kehatrapasa Radra Saha putrasa.

This name is the nearest approach to the Ari Dama of the inscription, who, however, was the sen of Swami Chastana. Colonel Stacy has also a coin of Atri Dama.

Fig. 8, (ditto), of the same prince, introduced as showing more clearly the name of his father.

Rejna Kshatrupasa Atri tropasa Ristra Silva putrusa.

Fig. 9, a coin of Visya Sah, son of Hhatri Dama. [No. 8].

Rijno Krhatrapusa Visea Gahana, rejus maha Kehatrapusa Airi Dimu judrusa.

This coin has a date, which may be read 523, in which case it must precede the last two: the father's name was before read as Atri Dámá, whence the misplacement.

Fig. 10, a coin of Swami Rudes, son of Swami Rudes Dama, in the obverse, the figures 39 (perhaps 390). Another has 385. [No. 12].

Rijna maka Kehatropana Strami Indra Sakas, rejine maka Kehatropusa Susimi

Rufra Ikimi putrasa.

Fig. 12, a new name, or new as to the second title; Rudra Sáh, son of the great Satrap Rudra Dámá, was presented to me by Lieut. E. Conolly, from Ujein.

Rojna Kshatrupasa Endra Schasa rojna maha Kshatraposa Rudra Dami (1)

Báha putrasa.

This is the only coin which bears the name of the repairer of the bridge, and that rather dubiously, as the father of the prince who coined the piece. It has a date on the obverse, which I have interpreted 390, like the preceding.

Fig. 15, a cilver sein belonging to Mulla Feroz of Bombay, similar to Mr. Steuart's coin, fig. 3. [No. 9].

Rijna maku Kehatrapasa Fraya Schaes, réjna mehá Kehetrapasa Dámi Saha putrasa.

ig. 14, a copper cein, unique, discovered by Lieut. Conolly at Ujein, and placed in my cabinet through his kindness. Obverse, a bull, with a marginal legend, apparently Greek, some of the letters seeming to form the word Basiless, etc.

Enjoy make Kakaten (px) . . . the remainder of the legend last.

The letters are larger and better formed on this than on the silver coins. Most copper coins of the series exactly resemble the silver ones with a head on the obverse. Col. Stacy has a good specimen, of which the obverse (fig. 27) has apparently a date.

It is now time that I should advert to the epoch of the Sah kings and the position in which the somewhat difficult question involved at present stands. Prinsep's opinions are reproduced above in their entirety. In continuation of these researches, I myself attempted, some years ago, to determine more precisely the period to which the rule of this dynasty should properly be ascribed; and I selected on that occasion, as the era best calculated, in general coincidences, for the due explanation of the figured dates extant on the coins, the cycle of Sri Harsha; a system of computation at that time only recently made known to us under the authority of Albiráni, whose work has already been largely referred to in these pages. In arriving at this determination. I did not neglect to consider the claims of other eras whose initial dates promised in any way to accord with the requisitions of the various historical and numismatic evidences derivable from independent sources. Notwithstanding certain leading recommendations that offered themselves in favor of the Buddhist era, I saw cause to reject unconditionally all idea of its title to rule the recorded registers.1 The Seleucidan era was also tested

¹ ['Jour. Roy. As. Sec.,' vol. xii., p. I (1548).]

² [My present conclusion is that the date of the death of Sakya was never generally used in ancient times either for civil or religious computations, otherwise it would be hard to account for the impossibility of fixing its correct epoch, even in the

in its more obvious applicability to the local or epochal demands; and though many arguments were seen to be suggested in support of its selection, which have since been even strengthened by fresh combinations, I am constrained to declare-upart from the slightest desire to adhere to first impressions—that I still give the preference to the Sri Harsha era!

Albiruni's account of this cycle will be found quoted at large, p. 166, 'Useful Tables'; and though it will be seen that he himself confesses to doubte and difficulties in regard to its origin and true initial date, I am, for the moment, content to take the fact that some such scheme of chronological admeasurement, reckoning from an event preximate to 457 s.c. or 400 before Vikramaditya," was actually once in use in India, and that the memory thereof, whether distinct and definite, or jurabled and perverted, remained current in the land till the 11th century A.D.

days of Huen Theory, who, in his own words above how important, and yet how difficult of determination, this point was hold to be assured the fluidihist communities of India when he enjourned amongst them?

We are not yet in a condition to discuss exact annual or

² [Major Cunningham has originated a speculative date of 477 n.c. as 'the ern of the Nirvina of Sakya Siaha, not as satablished in 543 n.c., but as generally believed in by the early Buddhists for a period of several centuries.' This scheme is based on the fact of Asoka's conversion to Buddhism falling 218 years after the Nirvina itself is assigned to n.c. 477 (259 + 218). A subordinate section of the argument is grounded upon Kanishkas having 'flourished' an even 400 years after the Nirvina, and yet. Major Cunningham, in the same page, while objecting to my inferences, unively remarks—'The differences of exactly 400 years between the dates of Sri Harsha and of Vikramaditya is, to say the least, very pagainess.'—'Jour. As. Soc. Beng.', vol. vii. of 1854, p. 704.1

vii. of 1854, p. 704.]

If I allude prominently to the securion of Greek supremacy, which, it will be seen, I have admitted more definitely since I but write on the subject,—though the abnegation of the supplyment of dates on the fraction coins, from whose types the Sah sonney was replied, detracts a marchaet from the value of the inference. One of the previous obstacles to the administra of the dependence of the Sah kings, was the doubt respecting the absolute import of the term and, suggested by Fraf. Wilson, who remarked, 'Ariana Antiqua,' p. 205, 'Kabatrapa admits etymologically of its being explained chief or protector of the Eshatriya, or martial race, and may possibly be the origin of the Persian title Satrap, as Primary supposes, although there is some incompatibility in the assignment of the titles of Raja and Satrap to the same individual.' On reconsideration, I do not quite admit the force of the latter reason, and the identification of the wave, as the titular equivalent of the Greek MATPARHA, seems now to be set at rost by the recurrence of the term in the Bustrian Pall as Ph. Y (Inscriptions, vol. i., pp. 96-146, Bastrian coins (afed); and in Indian Pall on Table, pl. Mir., fig. 14.

monthly dates; an approach to the truth is all we need be concerned with for the time being; for, while the arguments proand con extend to questions of centuries, we can afford to leave a very open margin for discretional modifications among the units and tens. I do not propose to recapitulate at any length my original speculations in regard to the correct epochal position of the Sáh kings, but it is needful that I should notice any confirmation my opinions may since have received, as well as any flaws, real or imaginary, that may have been detected by others in my reasoning or inferences.

Amongst other questions that arose during the course of my examination of the materials then available for the illustration of the history of these administrators, was that of their partial or complete independence; and it will be seen that though the balance of evidence appeared to favor the latter supposition as regarded the later members of the dynasty, yet that I reserved a full option for the recognition of the subjection of the earlier rulers of the line to Greek supremacy.'

In addition to this, in the detail of the coins themselves, while speaking of the obverse legend on a coin of Rudra Sáh, son of Jiwa Dámá, as 'a possible corruption of anonymor,' I added, 'there is a king of this name among the Bactrian Greeks, made known to us by his coins, which, in their types, seem to connect him with Apollodotus'. This notion has been improved upon by Prof. Lassen to an extent that I am scarcely prepared to follow him in. His theory seems to be, that I'swara Datta was invested with the office of Satrap about the commencement of the 4th century of the ers made use of on the coins (i.e. circal 157 n.c.), and that, about this time, Apollodotus must have been king; hence it is inferred that he was the Suzerain who raised I'swara to his local benours. It is further added, 'Dionysios, whose name appears sufficiently clear on

^{1 [} Jour. Roy. As. Sec., vol. zii., pp. 29, 32, 45, 46.]
5 [Jour. Roy. As. Sec., vol. zii., p. 52. See also Catalogue infra; Dionysius Hemidruchma, No. 1.]





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Rudra Sinha's money, reigned eired 113 s.c.' And, finally, the Professor imagines he detects the imperfect orthography of the name of Hippostratus on the obverse of the coins of Rudra Sinha III.' Suffice it to say, that the author, so far from contesting my dates or their attribution, introduces us anintentionally to a new feature regarding them, in a purpose their originators could but little have contemplated—a rectification, by their means, of the epoch of the Greek Suzerains, under whose auspices the coins are supposed to have been issued.

I next pass to Major Cunningham's review of the Sah period; and, as he contests my inferences, I permit him to state his case, in some detail, in his own way:—

† and. The independence of the entire princes of Gojrat between 167 and 07 n.c. is completely at variance with the Oreck security of Menander's conquest of Sarionatos or Surashtra, between 160 and 150 s.c., which is further multicated by the long proteasted currency of his mins at Barygian or Barnets.

"ath. The alphabetical characters of the flurialities coins are at widely different from those of the Piller and Back Inscriptions, and, at the same time, are so much similar to those of the Guptas, that it is impossible not in somelede that there must have been a long interval factories Asska and the independent Sah kings, and an

almost introdiate encountry of the Sile kings by the Guptan. . . .

"5th. The outbox of the Periphes of the Esytherest ora, who lived between 117 and 180 a.m., states that encircl dractures of Apollodeius and of Monumber were then current at Buryghan (Hodom, 'Goog. Min.', t. 87); this prolonged currency of the Orack drachman points directly to the period of the Indo-Scythian rule; for though we have some hundreds of their gold coins, and many thousands of their copper coins, yet only one solitary specimen of their silver estings has pet been discovered. [A mistake: the coin is copperplated over; see sight, Catalogue, under Kadpkinsa]. The Indo-Scythian power began to decline. From this period, about 250 a.m., I would date the independence of the Sah kings, and the issue of their oliver coinage, which was a direct copy in weight, and partly in type, from the Philopoter drachmas of Apollodeius."—' Bhiles Topes,' p. 149.

In regard to the criticism in paragraph 3, I have only to observe that, had I exclusively argued for the absolute and continuous independence of the Sah kings of Gujarát, the objections therein advanced might be held to be fairly stated. But even Major Cunningham's own date of 160-130 s.c., if admitted, need not interfere with the concession of a subsequent assertion

[Indische Alterthumskunde, vol. it., p. 794.]

^{2 [} Rudra Salt, son of Rudra Salt. (My No. 5, p. 31, infra.)]

of independence on the part of the local governors; and the concluding argument, though the author seems indisposed to allow it, has been refuted in anticipation by Vincent's observations, to which I had given every prominence in my paper which formed the subject of Major Cunningham's comment; had the author printed or even noticed the gist of my argument on the opposite side, and then replied to it, I should have been anxious to have treated his reasoning with more respect than I am able to accord to a mere reiteration of a fact which bears, at the best, an alternative interpretation.

With reference to the ratiocination embodied in the fourth paragraph, I may remark that I have already replied to the chief points involved; but as Major Cunningham and myself differ so completely in our fundamental tests of the progress of writing, and as I am therefore equally unprepared to accept his estimates of similitudes, it would be a sheer waste of time my arguing up from minor details, or attempting to reconcile them, when I have other and less fallscious means of arriving at a judgment.

In respect to the data and inferences embodied in the fifth paragraph, I would simply quote Major Cunningham's own words in regard to the general question between us—' We agree as to the facts, but differ in our deductions.'

My original proposition for the emplacement of the Sáhs contemplated the inclusion of all their dated coins within the fourth century of the Sri Harsha era, and inferentially confined the thirteen kings, whose numismatic testimonies had thus supplied us with spechal records, between n.c. 157 and 57. Among other pure and avowed speculations, which the open nature of

¹ [* That the roles of them primes should pass current at Barugara is no neon uncommon than that the Venetian sequin and the imported dellar should he at this day current in Arabia, or that the Spanish piastre should pass in every part of India and the East; that is, round the world, from Mexico to Manilla, and in pome instances, perhaps, teem Manilla to Mexico again. — Vincent, "Commerce, etc." in 294 [* Jour. As. Soc. Beng., vol. xxiv. (1865), p. 90; also "Jour. Roy. As. Soc.," vol. xii., p. 25.]
[* Bhilm Topes, p. 145.]

the question and the absence of positive information to a certain extent invited, I was led to remark, in referring to the wellascertained average of the length of Indian reigns, that the thirteen accessions in question 'should, under ordinary circumstances, be represented by a sum of more than two centuries instead of being compressed into less than one;" and I further added, 'the almost unvarying similitude that pervades the entire suite of the Sah coins, in its simple mechanical indication, implies a comparatively speedy sequence of fabrication.' In endeavouring to account for the brief duration of the sway of these potentates, I conjectured a possible republican form of government under which 'two or more rajas were aimultaneously invested with a share in the conduct of the state, or, if elected as sole rulers for the time being, the periods of retention of authority were limited directly and definitively by law, or terminable at the will of the majority.' However, these difficulties are certainly more simply and satisfactorily explained by the supposition of a nomination. of another description originally emanating from some Suzerain authority to delegated Satraps or governors of provinces.

As regards the consecutive succession of those princes, we have hitherto been compelled to rely upon patronymics and other indeterminate vouchers; and, though it is a question whether our power of defining the values of the date ciphers is sufficiently advanced to authorise our following a serial arrangement based upon their interpretation, we may still profitably test the process with this reservation. The fairly deciphered and reasonably congruous dates determine the order of succession as follows:—

	LIST OF SAH KINGS.	DATES.
	1. Yswara Datta, son of Varsha'	None.
1	2. Atri Dámá, son of Rudra Sáh	
	3. Viswa Sáh, son of Atri Dámá	
	4. Viswa Sinha, son of Rudra Sah	
1	5. Rudra Sáh, son of Rudra Sáh	
1	fillow Pay & San / sal sil s 37 1	

[[] Jour. Roy. As. Soc., vol. zii., p. 37.]
[Jour. Roy. As. Soc., vol. zii., p. 40.]
[A private individual]

	LIST OF SAH KINGS.	DATES.
6.	Dámá Jata Sriyah, son of Dámá Sáh	344.
7.	Vira Dámá, son of Dámá Sáh (no d	ate deciphered).
8.	Dàmà Sáh, son of Rudra Sáh	345.
9.	Vijaya Sáh, son of Dámá Sáh	353, 354, 355.
10.	Asa Dámá, son of Rudra Sáh	370.
11.	Rudra Sinhu, son of Swámí Jíwa Dámá¹	374, 375.
12.	Swámi Rudra Sáb, son of Swámi Rudra	
	Dâm\$	384, 390.
13,	Rudra Sáh, son of Vira Dámá	

It results from these dates, however imperfect in their comprehensive series, that either there was a double appointment of simultaneous effect, or an indeterminate periodical supersession and interchange of office-bearers, obeying the fiat of the foodal lord, in the one case; or, following the constitutional order occasionally interrupted by the revolutionary convulsions of independent government, in the other. We are still unable to identify the Swami Rudra Dama, sen of Swami Chandana, of the Girnar inscription, with any of those monarchs whose mints have supplied us with records of their rule; but looking to the delayed introduction of the extra title of Swami-as now defined by the list adapted to the dates-we may, for the present, conjecture the individual to have been the father of Swami Rudra Sah; and may even, with but slight stretch of buagination, shadow forth an association of the dubious inscription date of *72, with his fitting place in the order of succession and the independence then achieved, to which he lays claim in his monumental writing.

I next proceed to notice such numismatic novelties of this series as have come to light since Prinsep wrote.

Foremost and most important among these are the coins of I'swara Datta, the son of Varsha, the first Raja of my list.

The obverse legends of the three specimens I have had an opportunity of inspecting are, like the rest, couched in imper-

A private individual.

fect Greek letters, the best representation of which is as follows: MITYTELIALLYATTIOC. The exergin is, however, remarkable in its contrast with the subsequent series, in having no cipher date, which would seem to indicate that the system of marking the year of issue was not as yet introduced.

The reverse bears the subjoined legend :

रची मह घवपस देखर इत्तम वर्ष प्रच

Rijna maké Kihatrapasa Imara Datiosa Fareka putha-

The coins of Dama Jata Srivah are also among our later discoveries. Dr. Stevenson first published a notice of a coin of this prince from the Junir heard (August, 1846) I have since met with two or three further specimens of these rare coins.

The reverse legend runs-

रची मह चपपम दमकट बीयः रची मह चपपम दम सह पुनस Rijpo mahi Kahatropusa Damijata Srepub Rajno maha Kahatropasa Diind Saha putricas.

The following readings of the coin legends of Dama Sah, the son of Rudra Sah, are given on the authority of Dr. Bird, who transcribed them for me from the originals in his own possession in 1848.

रची मह वनपस इस सहस रची मह वनपस रह सहस पुनस

Rajno mohi Kehatrapan Irimi Sakana Rajno maha Kaketrapan Radro Salum petrasa.

Finally, I have to advert to the unpublished coins of another Swami Rudra Sah, whose patronymic is only imperfectly retained on the surfaces of the limited number of specimens that have come within my cognisance.3

रता मह चवपस यम बद्र सहस रता मह घवपस यम साथ सह पुषस Rajno maha Kahatrapuna Sucini Budra Séhasa Rajna maha Kahatrapuna Swimi Satya Silke patreen.

These coins are chiefly remarkable in their accordance, in the style and fashion of their Sanskrit legends, with the approximate specimens from the mint of Swami Rudra Sah, No. 12: and the more extensive debasement of the Greek exergue on the obverse.-E.T.

¹ [The concluding letter is defective in all the three specimens, the lower portion only being visible in each. What remains seems to form a portion of an ordinary muth a second line below the ordinary subjunctive sign of that letter.)
² [Lieut.-Colonal Bush, Bengal Army—one silver piece. G. H. Procling, Esq., Bengal Civil Service—one silver and one plated coin.]

Fig. 16. In this silver coin found in Katch in 1837, and presented to me by Mr. Wathen, the central emblem of the reverse is changed to a kind of trident; the legend is also altered from that of a Satrup to one of a parameunt sovereign:

परम भानुवीर राजाधिरात वी कुमार्युप्त महेन्द्र छ।

Parama Bhitarries Espedhirtja Sri Kamara Gogia Mahandrarya.

Of the paramount sovereign the horoic king of kings Sri Kumara Gupta Mahandra.

Fig. 17, another of the same kind, having the same Sanskrit legend, but, behind the head, the Greek letters may be read ONONOY, or BAO

NANO? it was presented to me with the last by Mr. Wathen.

Figs. 18, 19, 20, and 21, have the same symbol, but the workmanship is very much deteriorated. The legend on them all has at length been deciphered by the collation of several specimens presented to me by Mr. Wathen, and found in various parts of Katch, Kattywar, and Gujarat, by Capt Present, Capt. Burnes, Dr. Burn; as well as the few inserted in the plates of Mr. Steuart's coins.

परम भगदतम राजभीकान्द्रगुप्त कमादिला

Povens Bhagadete ma /ka/ Eris Srl Shanda (Jupis /vi) kramaditya.

But so I have a larger assortment of the coins of the same king to introduce into a future plate, I will postpone further mention of this series for the present.

[I append to this easily my latest classification of such silver coins of the Guptas as are associated with the types last adverted to by Prinsep.

SRI GUPTA.

Class A: Silver, weight 31 grains. Mr. G. H. Freeling, Bengal Civil Service. Unique.

Onverse: - Device, the original type of the Sah head, apparently unchanged in outline or details.

LEGEND, as usual, in imperfect Greek characters, the concluding

REVERSE:—Device, a singular figure that may possibly represent the early design of the Gupta peaceck as rendered by the local artists, beneath which is a linear scroll of three semi-circles similar to that

By a letter from Prof. Wilson I learn that Mr. Steunt's plate is to appear in the Royal Asiatic Society's Journal; but that it had time to journey to India and back before the outcoming number want to press! I regrit I am thus deprived of the power of adding to this note the abservations of the learned in England on the Surashtra coins.—J.P.

seen in continued use on certain silver coins of Skanda Gupta; shove the main device are retained the Sáh cluster of stars and a minute half-moon seemingly borrowed from the same source.

LEGENT-

श्चान्य मानकमा स्थान मानकमा । ---

Prof. Fitz Edward Hall proposes to amend my transcript, thus—

श्रीनन्द्रशा विक्रमेन्द्रज श्रीगुप्त कीनानेन्द्र ---

To this he assigns the following translation: "The auspicious, Kilálendra Sri Gupta, son of the auspicious Nanda Gupta, an Indra in provess."

If this should eventually prove to be a piece of the Sri Gupta, the founder of the dynasto known by his name, it will establish a claim on our attention, altogether apart from its novelty as the unique representative of the money of that king -in the evidence of the close and direct imitation of the technic art of the Sah coinages, which it develops in so much more distinct a degree than the local issues of the Gupts family of a later date. Indeed, this association is so striking that I was, at first sight, almost inclined to modify my original impression of a deferred revival of the Sah coinage by the Guptas, on their possessing themselves of the province of Sauráhstra, and to doubt whether it would not be necessary to appreximate the two races more closely in point of time, in order to explain with any plausibility the mechanical coincidences of the coinage; but, though these will be seen to be strongly marked in the case of the obverse, or conventional portion of the die, the reverse, or dynastic stamp, is materially changed, both in the leading device and, more important still, in the shape of the lettersso that, in this respect, all my early arguments still hold good;*

¹ [' Jour. As. Soc. Beng.,' vol. iv., pl. zlix., figs. 4, 5; vol. vii., pl. zii., fig. 19; 'Jour. Roy. As. Soc.,' vol. zii., pl. ii., figs. 43, 44; 'Ariana Antique.' pl. zv., fig. 20. Prof. Wilson, in speaking of the reverse device of this particular cote, describes it as 'an ornament like a disintegrated Chaltya.'
² [' Jour. Roy. As. Soc.,' vol. xii., pp. 16, 17.]

and, in regard to the barbarized Greek, the inheritance of Sah imperfections; there need be no difficulty in recognising thus much of the power of imitation of its letters, when we know that on other mintages the Gupta artists were able to achieve fully intelligible Greek adaptations of Eastern names.

KUMARA GUPTA.

CLASS B : Pl. XXXVII., figs. 16, 17; 'Jour. Roy. As. Soc.,' vol. xii., pl. ii., figs. 39, 40, 41, 42; 'Ariana Antiqua,' pl. xv., figs. 17, 18.

Onymen .- Head of the king in profile : the outline and design are nearly identical with the Surashtran prototype—the mintage of the Sah kings-at the back of the head is ordinarily to be seen a mutilated portion of the Scythian title PAO NAMO. This important legend affords another link in the direct association of the Guptas with the Indo-Seythians, which is here the more marked, in that, while the device itself is servilely copied from the Sales, their obverse Greek logends are superseded by this new title.

Revense:-It is difficult to determine satisfactorily what the emblem occupying the reverse field may be intended to typify, but the most plausible supposition seems to be that it displays an advance upon the conventional representation of the peacock under Western treatment, following out the artistic notion of that bird given in Sri Gupta's coin.

LEGEND :-

परम भगवत राजाधिराज श्रीवसार गुप्त महेन्द्र स

Parama Bhaganata Bájádhirdja Sri Kumára Gupta Malandraspa. The second word of this legend is the only portion of the

whole that is at all open to question; it has been read Bhanuvira by Prinsep,' but this is not by any means a satisfactory interpretation. The first and third letters are fixed and constant in the various examples, and are properly rendered in each case as ¥ and ₹; the second and fourth letters vary considerably in outline on the different specimens; the second letter I have never yet met with in its perfect shape as " when tried by the test of the w in Gupta, indeed the majority of the coins display it more after the form of a 4, as that consonant is found later in

¹ [Prof. Wilson (* Arizna Antiqua,*) has suggested Bhattaraka (?) which the Udayagiri inscription (* Bhilsa Topes,* p. 151) rather recommends to our notice.]

the legend in Mahendrasya. The same remark also applies to the final 7. I see that Prof. Mill has conjecturally supplied the word Bhagacata in the prefix to Kumara Gupta's titles on the Bhitari Lat ('Jour. As. Soc. Beng.,' vol. vi., p. 4), but Prinsep's facsimile of the inscription, though it accords the needful space for the exact number of letters, gives the final as a manificat w; in saying this, however, I must remind my readers, that in the alphabet in question, the slightest possible inflection and continuation of a line constitutes the essential difference between the two letters wand w, and on the other hand the local copper plates of the Valabhis render the wery much after the shape of the Eastern R, while the indigenous T is but little different from the W of the coins under reference. And finally as the words Parama Bhagaeuta appear in all their indubitable orthography on the succeeding coins of Skanda Gupta, we may fairly assume a mere imperfection in the expression of the individual letters and leave the word as it has been entered in the legend above.

The coins under notice are not always complete in the Sanskrit legends; for instance, an otherwise very perfect piece in the cabinet of the Royal Asiatic Society has the word CINI-FUCIN abbreviated into CININ; and No. 39, pl. ii., 'Jour. Roy. As. Soc.,' vol. xii., has the same word contracted to CINING.

SKANDA GUPTA.

CLASS C: Pl. xxxvii., figs. 18, 19; 'Jour. Roy. As. Soc.,' vol. xii., pl. ii., figs. 43, 44; 'Ariana Antiqua,' pl. xv., fig. 20.

Onvener, as in class B, Kumara Gupta, but the execution has greatly deteriorated; on some specimens traces of the word MANO are still to be seen.

REVERSE:—The device in this class of money, appears to offer a more direct imitation of that of the Sri Gupta pieces, than did the intermediate Kumára reverse types, these latter are seen to reject the foot scrolls and to vary the details of the centre figure to a considerable extent.

Leesno:--पर्म भगवत वी सान् गुप्त कमादिता

YGL, II.

Parama Bhagaveta Sri Skanda Gupta Kramáditya.

The weights of, these coins vary from 23 to 29 grains.

Class D: 'Jour. Roy. As. Soc.,' vol. xii., pl. ii., figs. 45, 46; 'Ariana Antiqua,' pl. xv., fig. 19.

ORVERSE:--Crudely outlined head, with traces of the title NANO

in front of the profile.

REVERSE:—Figure of Nandi identical in form and position with the emblem on the seaf of the Valabhi family as found attached to their copper-plate grants. ('Jour. As. Soc. Beng.,' vol. iv., pl. xl., and p. 487).

LEGEND :- Restored.

परम भगवत श्री खन्द मुप्त कमादिला

Parama Bhapaneta Sri Skando Gupta Kramiditya.

These legends are frequently very incomplete, varying in the number of letters in each.

The standard of these coins is very uncertain, rising from a weight of 21 to 30 grains.

CLASSES E, F, G. [The references are prefixed to each variety.]

Onverse:—The usual head, generally ill-defined, but still identical in many respects with the original device on the obverse of the Sah medals; it is occasionally also assumpanied by distinct traces of the word mano.

REVERSE:—Central symbol in the form of an altar, which is supposed to represent the common altar-shaped receptable of the sacred Tales tree of the Hindus. Legends restored.

Class E: 'Jour. Roy. As. Soc.,' vol. xii., pl. ii., fig. 49.

परम भगवत त्री सान्गुप्त कमादित्व

Parama Biogenata Sel Skanda Gapta Kramiditya.

CLASS F: 'Jour. Roy. As. Soc.,' vol. xii., pl. ii., fig. 50. परम भगवत श्री खन्द मुप्त परमादित्व

Parama Bhogacata Srl Shanda Gupta Paramiditya.

CLASS G: 'Jour. Roy. As. Soc.,' vol. xii., pl. ii., fig. 51. पर्म मगदत श्री विक्रमादिक स्टब्स् गुप्त

Parama Bhagasuta Sri Vikramiditya Skanda Gupta.

The irregularity in the completion of the legend, noted as occurring on Skanda Gupta's coins with the bull reverse, appears in a still greater degree in those of the present class.

The weight of these coins is more than ordinarily unequal,

rising from 224 to 33 grains.

Though not properly susceptible of classification with any Gupta series of coins, it is as well to take this opportunity of noticing in connexion therewith a species of money which seems to constitute an independent derivative from the same Sauráshtran type that served as a model for the local currency of the Guptas in certain western provinces of their empire.

I advert to the pieces figured as Nos. 6 to 8 and 9, pl. xxvii.'

Prinsep, at the moment of their publication (December, 1835), searcely attempted any decipherment of the certainly very unpromising legends, and was equally at fault in regard to the reverse device which he described as 'a symbol in the form of a trident;' when, subsequently, he came to take up the general subject of the Sáh and Gupta silver coinage in full detail, he still essayed no advance upon the attribution of this offshoot of their common prototype. In my paper on the Sáh kings,' I made some slight progress towards the determination of the purport of the legends; and, apart from the typical coincidences, I was able to demonstrate more precisely the Sáh association in the decipherment of the words Trail NET WAVE on the margin of the best preserved specimen of the series.

¹ [Other examples of this currency will be found delineated in ' Jour. Roy. As. Soc.,' vol. iv., pl. ii., fig. 30; vol. zii., pl. ii., figu. 35 to 38.]
² [' Jour. Roy. As. Soc.,' vol. zii., p. 64, 16th April, 1848.]

A coin of Mr. Freeling's, of an early date in the serial issue, presenting a well defined and nearly complete legend, materially advances the inquiry, and furnishes a key to the strangely distorted letters stamped on the later emanations from the parent mint, though it leaves us still far from any conclusive assignment of the class of money to which it belongs. I proceed to describe the piece in the ordinary detail.

Silver, weight 27 grains.

Onverse:—The usual Sih head, apparently but little medified. This surface of the coin is damaged, but fully sue-half the marginal space, around the profile, remains uninjured, and in the total absence of any sign of a letter confirms my previous supposition, that the use of the Greek legend was not extended to this class of coin.

Rayman: - Device, a barbarized imitation of the Minerva Proma-

chos of the Bactrian coinage.

I was once disposed to look upon the singular figure on the reverse of these coins as the Buddhist device of a man: I was led to this conclusion by the similarity of the form of the figure sketched by Jas. Prinsep, in fig. 21, pl. iv., to that occurring on the Behat type of coins; but I now observe that Prinsep, in his second engraving of the same coin (fig. 9, pl. xxvii.), omits the left arm, in its downward position, which constituted the most ossential point of Behat identity.

LEGEND:—सह भुनहरकसरण सहयवपरसद्वकलसस्मन Derioant Bannison जी: स ह

The configuration of certain lotters in these legends demands a passing notice. The character which Prinsep took for pr, etc., is now satisfactorily proved to be an #: the form is peculiar, but still it bears sufficient affinity to the general idea of the Gupta #. In the later specimens of the coinage, its upper section is distinguished from the ordinary ¶ by the rounding off of the lower portion of the first down-stroke, while the ¶ itself is

^{1 [*}One item seems safely deducible from the unoccupied margin, to be found around the bust in the broader coins, vin., that the use of Greek or its attempted representation was here discontinued. — Jour Hoy. As. Sec., vol. xii., p. 62.]
2 [Pl. xix., fig. 16; pl. xx., figs. 45, 47, etc.]

squared at the base. The nearest approach to identity with this numismatic with its to be found in the outline of that character as expressed on the Udayagiri Inscription; but it must be remarked that this similitude affords but little aid towards determining geographical limitation, as the majority of the letters of the inscription itself are exceptional, and do not accord with the characters of the other writings of the same locality. The wof these coins takes the same shape as those on Kumara's silver coins, Class B, above adverted to. The remaining letters, as far as they have been definitively identified, seem to follow the ordinary Sah style.—E.T.]



OF BLOCK-PRINTING, WITH NOTICES OF UNEDITED COINS.

MAY, 1838.

Is all Muhammadan countries it is the well-known custom of those who move in the rank of gentlemen to apply their sends in lieu of their written signatures to letters, bonds, and other written documents—not as we are accustomed to do it, by an impression on war, but by smearing the flat surface of the seal with ink, and printing in the manner of type, so as to leave on the paper a white cipher upon a black field. It may be in consequence of this custom, as much as from religious prejudies, that Muhammadan seals are almost invariably confined to letter mottos; soldom ornamented, but, if so, merely with flawers, etc., done in outline; because such only can be faithfully pourtrayed in a type impression, which, of course, cannot at all represent a head or other relieve design.

The money of the Musalmans was in the same menter generally impressed only with the signet or the titles of the sovereign, well

adapted to a flat surface of thin metal.

Seeking an easy and expeditious mode of making public the collection of Muhammaden coins in my own and my friends' cabinets, it thus occurred to me that by forming from them in scaling-wax, or in type metal, an exact counterpart of the die which had been used in striking these pieces, I should be able to use it, in the native fashion, for producing ink impressions along with the ordinary letter type; while, as the coin itself would in every case furnish the mould, every chance of error in copying would be removed: and, though the elegance of a shaded engraving could not be attained, still this would be more than compensated by the scrupulous fidelity of the representation.

My first trial was so encouraging that I at once resolved on carrying

the plan into execution on an extensive scale, and I have now prepared for the press upwards of two hundred coins done in this novel and exceedingly simple manner.

As, however, it will be in every respect more convenient to present them in a continued series as an accompaniment to my tables of the value of Indian coins already published, I propose merely to introduce into the pages of the Journal a few examples of such coins as are new,

rare, or, from other causes, worthy of particular description.

But first, in deference to the established custom in such cases, I must assign to this newly-invented art some Grock polysyllabic appellation; and (without intending the undignified lapsus of a pun) I cannot propose one more expressive of the process than Repagraphy—not from rapee, the common designation of our Indian mency, nor yet from the Sanskrit word rape, 'form, likeness,' but in a genuine and orthodox manner from the Grock power, signiferes over, or scaling-wax, the substance upon which the impression of the coin is first received, and which will itself serve as the printing material, if it be not desired to preserve the block in the more durable material of type metal, by a second transfer from the scaling-wax to a clay or gypeon mould, into which the latter substance can be east in the usual manner. Some sharpness of entline is lost by this triple operation; and where a great many copies are not required, the rape-graphical process may be safely confined to the first stage, or simple impression on scaling-wax.

As a first specimen,' then, of the capabilities of this art of repography, I select a coin, or rather medal, purchased by myself some years ago at Benires. It is of Husain Shih, generally accounted the last Súfi monarch of Persia; for, after his abdication in a.n. 1135, his son Tamásp held but a nominal assertigaty, the real power being

usurped by Mahmud the Afghan.

Marsden would designate this as one of the medals of the Persiankings properly so called, intended to be long and worn on the neck. It had, when I bought it, a hasp for suspension; but still I do not imagine it to have been struck for that express purpose, but rather as a crown piece for distribution to courtiers on a birth-day, as is still the custom at Dibli, at Lucknew, and other native courts. It is of nearly pure silver, and weighs 844.3 grains, a little short of five rupees, and somewhat above as much in value.

Mursden gives the drawing of another medal of the same monarch, which has merely the usual coin inscription.

I I have not thought it necessary to reproduce these factorials, in illustration of the mechanical process. I have, however, retained the letter-press, as forming a portion of Princep's numbersatic essays.]

The following is the numismatical description of my modal:—
Servis Hexars Sain Sarravi,
Reigned in Persis, a.e. 1106-1135, (a.n. 1694-1722).
Survey.

LIBRARY OF THE OWNERS.

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Onvenau:—The Sultan the just, the spiritual guide, the perfect, the ruler, Alai'i Manafar of Sultan bir of Sultan, Sultan Music Shah, Behadur Khan, of the Safvi ruce: may God perpetuate his kingdom and his dominion! Struck at Infahin, a.u. 1118 (A.D. 1694).

Revenue .- There is no God but God! Mahazamad is the prophet of God; All is the favorite of God.

Margin - Alt, Hann, - Homin, Alt, - Muhammad, Ju'tur, - Musa, Alt-Mu-hammad, Alt-Haves, Muhammad.

(The twelve Izhina in the erder of their succession).

SPECIMEN IL

Is a coin presented to me by General Ventura to complete my series of the Pathán sovereigns of Diblí, being the only one of the founder of that dynasty which I had yet seen. Since then Capt. Burnes has favored me with the sight of a duplicate in less perfect preservation, procured by himself, I believe, at Kabúl. I give it as a specimen of what rupography can do under the most unfavourable conditions.

The form seems imitated from that of the Abbassite khalifs, having the legend in concentric circles written in the Kufic form of Arabic. The facsimile represents exactly by the dark parts where the surface is worn smooth; however, by excefully comparing the two specimens, the whole has been made out satisfactorily with the aid of my brother, Mr. H. T. Prinsep.¹

It is curious that the common title of Shahdb ul din, by which Muhammad is generally known in Indian history, does not appear on this Ghaznah dirhem, which gives him the two-fold designation of Ghids ul din, 'the supporter of the faith,' and Moss ul nasir le din, 'the humbled of the defender to the faith'—(sc. to the Kaliph of

[[] I have slightly modified Mr. Prinsep's reading.]

Baghdid). Probably the patent for the new title of Shahib al din, the flaming award of faith, given in honour of his brilliant and destructive expeditions into India, had not yet arrived from the court of the Kaliph. If so, the word ties (90) in the date may be read wrong.

SHARAS UL DES, MURAMMAN RDS SAM, Founder of the Chort dynasty of Dibli. Reigned a.B. 588-502 (a.D. 1192-1206).

SELVER. Weight, 72.4 to 92.5 grains. Leganne on the concentrate cracies of the Chymnes.

هو الذي ارسل رسوله بالهدي و دين العتى ليظهره علي الدين 1 Tina كله ولو كره المشركون

لا اله الا الله محمد رسول الله السلطان الا عظم 2

فياث الدنيا و الدين ابوالفتم

محمد بن نام

DITTO OF THE BEYERS.

ضرب هذا الدرهم في بلده عَزَنَةً سَنَةً سَتَةً و تُسعين و خعس Lina 1 ماية

الناصر لدين الله السلطان المعظم معز 2

الدنيا و الدين ابوالمظفر 8

محمد بن مام

[The interptions are regard at length in plate all]

Onvenan: - (From the Koren) - It is he that underh his measurger for right-sources,' etc. (Surat, iz. 33, and int. 0.)

There is no God but God, Mahammad is the prophet of God !- The mighty sove-

reign Ghide all dunys on a' die, Abu'l Jatek, Muhemmad bin Skes.

Rayansz .- This dichem was struck in the city of Gharnah, in the year five

Al North is the tiled [the Khalif], the mighty sovereign, More of die, aby'l Musafar, Muhammad hin Sam.

SPECIMEN 111.

Among the coins discovered by General Ventura in the great tope at Manikyála, and described in vol. iii., pl. xxi. [v.] figs. 10 and 11, [Art. VI.], were two of the Sassanian type, having Sanskrit legends on the margin of the obverse. I did not then attempt to decipher them, nor am I aware that their explanation has been since effected elsewhere.

Captain Burnes has been so fortunate as to pick up three more of the same curious coins, in his present journey, which are now in my hands, with other rare antique produce of his successful research.

¹ [The history of this double nomenclature will be found in detail in my Emayon the Coins of the Pathan Kings of Dibli: London, 1847.]

They have every appearance of having been extracted from some similar ancient monument; which is by no means improbable, for we may be very sure that full half of the fruits of the late explorations of the various topes have evaded the hands of their explorers, and are scattered about the eventry to be hereafter picked up gradually from pilgrims or professed dealers; for a trade will soon be organized in such articles, if it be not already established. There is no harm in this, as it will tend to preserve such relies from destruction; but we must for the future be on our guard against spurious specimens, which will multiply daily.

Captain Burnes' discovery has been of the greatest service toward the deciphering of the Sanskrit legend; his coins have helped me to the general purport of the marginal writing, even if they have not wholly explained its contents. I found on collating the five legends new at my command, that three of them (code pl. xli.) were short of the others by two letters, which in the most perfect of Captain Burnes' coins might be clearly read as wife fer: . Remembering an analogous omission on one of the Gupta coins of Kamuij, wherein some specimens had the epithet vijavoja and others vijavojanila-both of the same meaning, I concluded that the preceding anomalous letter on all the coins must be a w, and, indeed, it has no small affinity to the modern Nagari and Bengill j. The two preceding avliables, again, there could be no doubt about; being in all five examples 24 feva. Now, devaje and devajanita, 'offspring of the gods,' is the well-known epithet of the ancient Persian monarchs as well as of the Samanian race. Thus, in the trilingual inscription on the Nakshi-rustan scalpture given in Ker Parter's travels in Persia, vol. i., 548, we have in the Greek character: TOTTO TO SPORGHON MARGAGNOT SECT APPARAPOT BACIARDO BACI-ARON APIANON ERPENOTO HELD THAT WEST SADAROT BACIARGO, which is repeated below in two forms of Pehlvi.

The same title in Sanskrit, deseputes shaken shibi, it may be remembered, is applied to the king of Persia in the Allahabad pillar inscription, as revised at p. 233, vol. i.

Again, on the Sassatian coins, read by the Baren de Sacy as far as they are published by Ker Porter (for I have not yet been able to obtain a copy of the Baron's work on the subject), the Peblvi legend runs:

Mandan beh Shahpura malaksin malaksi mingehatri mpi perdan,

'Adorer of Ormund, conclose Shadopur, king of kings, offspring of the divine race of the gods.'

In the examples given, I should read this pursuge - Malakin weelsh Aironau, etc.; but the Sassanian coins require study ere they can be properly made out.





SANSKRIT LECEND ON SIL INDO SASSANIAN DOINS

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Will had to

The natural deduction beace was that the rest of the Sanskritlegend would also turn out to be a translation, or an imitation of the Sansarian formula; and thus, in fact, it has proved to be.

> Han-Stratures tenors. Survey. Wright 44 grains. Leaven.

However, Read of Million Community Points's very distinct, but enread, see pl. xli.

Rivenese: —On the field, three hitters of an anknown alphabet (like the Armenian?) or perhaps musicould?

Maryla .-

श्री हितिबिर ऐरावाच परसेचर श्री का हितियान देवजनित

Bri kitishin Airtina tha parametera dei Taketiyin desainella.

In this legend the only actual letters at all doubtful are the p and me of parameters, and the first and has letters of the name. Indeed, the first letter is different in every example, as will be seen in the lithographed plate [xil.], as though they were all different manes of the same family. Now to analyse the scatteres:—

Hiterica I suppose to be a corrupt writing of circles, heidicine, 'notife in beart,' equivalent to the Petiter word hole, translated by 'exceedint' digital old permanences, and the supreme had at Airân or Penia, may be read perhaps better direct a Pitra-secre, the level of Iran and Pars. For the name, we have secretily plan the, on glan or had followed by hiterian or hitsiness, and, budy designate, as inform explained.

I om quite at a less to find cowners for such names; and although this is the third time I have alluded to this coin, gaining forth by little such time, still I fear we have much to learn before we can nurarel its entire history. For the present I have unnothed the Fehlyl legend, merely placing under view in the canexed plate corresponding passages from regular Securion coins, which, being titles, will soon lead to a knowledge of their alphabot and to make

[As intimated under Art. XV. (vol. i., p. 410), I have intentionally reserved all notice of the bilingual and trilingual emanations from Indo-Sassanian mints, and their subordinate illustrative varieties, until I could associate my latest tentative readings with Prinsep's closing illustration of this interesting division of Oriental Numismatics.

I have elsewhere (vol. i., p. 65) adverted to the obstacles that present themselves to any precise definition of the permutable letters of the Pehlvi alphabet, which may not chance to be supported by the context, or some leading indication calculated to assure its exactitude; but, in the present instance, we have to encounter dialectic modifications and transmutations from other tongues, in addition to the ignorant treatment of a language at the best but imperfectly known to us.\(^1\) The legends I have ventured to designate as Scythic, in virtue of their seeming derivation and the assimilation of certain of their forms to the Tartar alphabets, are to this time simply unintelligible.

The classification of these complicated materials will be seen to present somewhat of a difficulty—even if the data permitted it, they could not well be adapted to any epochal order—nor do the medals sufficiently accord to follow suit under the simple typical arrangement. I am, therefore, reduced to group the different series by the linguistic test, as exemplified by the following outline:—

- A. Seythic (two varieties).
- A a. Seythic and Sanskrit.
- A b. Seythie, Sanskrit, and Pehlvi (two varieties):
- A c. Scythic and Pehlvi.
- B. Pehlvi and Sanskrit (two varieties).
- C. Pehlvi, Soythic, and Kufic.
- D. Second variety of unidentified characters with Kufic.
- E. Kufic (alone).

Class A: Unidentified characters, supposed to be Scythic, Figs. 9 and 10, pl. xvi., 'Arians Antique.'

I notice the class, represented by the above cited engravings,

I [For example, of all these who are learned in Zend and its enguate languages—
of the various Professors who salt Fuhlvi texts, or who put together Grammers of
that tongue—no single individual has to this day been able to add one line of
translation to the bilingual inscriptions of Hajf-hidd (Ker Perter, pl. xv., p. 513;
Westergaard, Bondobesh, p. 83; Sprogel, 'Grammarik,' p. 176, etc.), beyond what
De Saay had already bught us in 1793. In brief, our power of interpretation falls
as exactly where the Sassanians have emitted to supply as with the Greek translations
they appended to some of the parallel texts, which, however, unfortunately extend
but little beyond the titular and dynastic prescribes of the inscription more impediately in question. I may, however, notice favourably Dr. Hang's tentative interpretations, confessedly incomplete as they are]

merely as introductory to the several ramifications of the unidentified alphabet on the coins of later date, which form the subject of my present synopsis. I have to refer, however, momentarily to a still earlier exhibition of the literal series in the degradation and gradual transmutation of the original Greek legends, on the lower Kanerki coins, into the conventional forms and symbols of this system of writing-so that the Greek epigraph of PAO NANO PAO OOHPKI KOPANO degenerates into the, to us, confused jumble of signs, which the cognate characters on other medals alone teach us to look upon as real and bond fide vehicles of phonetic expression-now extant upon the pieces engraved as No. 17, pl. xiv., 'Ariana Antiqua'; No. 6, pl. xxii., supra; and No. 16, pl. xiv., 'Ariana Antiqua.'

The Sassanian proper money, more especially under reference, exemplifies the free and independent use of the debateable character, as opposed to the possible mere mechanical barbarization of a foreign tongue in the other instance, and would seem to evidence the local currency of the speech it was calculated to embody in one section at least of the dominions acknowledging fealty to the successors of Ardeslin Balbick. Next in literal simplicity, though probably of a varied site and but little approximate period, must be quoted the series so peculiarly Indo-Sassanian in their identities, which still restrict themselves to this etyle of writing-Nos. 19, 20, 'Ariana Antiqua,' pl. xvi.

The Indo-Sassanian money with unmixed Sanskrit legends has already been adverted to, but further examples of the subordinate classes may be consulted under the following references :- 'Ariana Antiqua,' pl. xvi., fig. 18 (ufv); ibid, pl. xvii., fig. 11, and pl. xxi., fig. 20; 'Jour. Roy. As. Soc.,' vol. xii., pp.

341, 342, etc.; 'Ariana Antiqua,' pl. xvi., fig. 8.

CLASS A a: (Bilingual Scythic and Sanskrit). Type, fig. 6, pl. xvii., 'Ariana Antiqua.'

Other specimens of money bearing these peculiar legends may be seen under Ariana Antiqua, pl. avii., Nos. 12 to 14.]

OBVERSE :- Head fiscing to the right.

LEGEND in unidentified characters. 'Jour, Roy, As. Soc.,' vol. xii., pl. iii., fig. 21.

REVERSE:-Fire altar and supporters about the pedestal of the altar

बीटटे । यह बी ?

Class A 5; (Trilingual, Scythic, Sanskrit, and Pehlvi?).
Pl. v., figs. 10, 11; and pl. xli., figs. 1 to 5.1

Ouvress: - Device, as in the plate; the tiger-crest is less obscure on other coins.

Centre: - Unidentified characters.

Margin: - Legand also of doubtful import, but expressed in Sanakrit letters.

ब्रीहितिवरचरसाचपरमेखरत्रीपाहितियतदेवनारित

The above transliteration, based upon mechanical configurations alone, gives the preferable reading of each character, deduced from a collation of the legends on the numerous coins extant. As the language this legend embodies is, up to this time, unknown to us, there are no precise means of selecting the intentional as opposed to the technically rendered letters. For instance, it is doubtful whether the 6th form should be taken to stand for W, V, or W. The 9th letter may be only one of the frequently recurring T's; but I read it as T, in accord with Prinsep, on the authority of one of Sir A. Burnes's coins (now in the possession of General Fox), which gives the character with more than osual distinctness. In the letters 10 to 14, I again follow Prinsep, on the principle of the probability of the combination rather than upon the positive assurance of the imperfectly discriminated letters which compose the word. And, with some such similar tendency, I formerly proposed the substitution of " as the modern representative of No. 16, in preference to the optional W or W of my author's text, a conjectural emendation since amply confirmed by the configuration of the letter in question on one of Colonel Lafout's coins in the British Museum.

¹ [Also 'Journal Asiatique,' vol. vii. (1829), pl. xvii., p. 34; 'Ariana Antiqua,' pl. xxl., fig. 22; 'Jour. Roy. As. Soc.,' vol. xii., pl. iii., figs. 17 to 20.

Suffice it to say, that if there is little to be said in favor of these definitions, there is no inconsistency or literal difficulty to stand in the way of their acceptance with the values now suggested.

REVERSE:-

To the left . . Pehlvi 18350 elas elas To the right . Pehlvi my f jumalju sjuge خراسان ملكا

In regard to the Pehlvi legend on the left, I have elsewhere! explained my reasons for differing from Olshausen's original. interpretation of size accordy-accen. His rendering of the final word to the right is faulty, but the second name I consider indubitable; and, like him, I fail at the opening term, though I incline to identify it with the title of ", in preference to supposing it to be the name of the Suzerain ruler of Khorásán.

CLASS A h: Variety. Pl. xxxiii., fig. 6.

OBVERSE .- As in Prinsep's engraving. The better preserved specimens exhibit a crest above the wings here visible, in the form of a tiger's head.

Sanskrit logend to the right . . . to the left . .

Margin :- Legend in unidentified characters. (See ' Jour. Roy. As. Soc, vol. xii., pl. iii., fig. 8).*

The Sanskrit legends on the obverse of these coins are indeterminate. Prof. Wilson proposed to amend Prinsep's original reading (vol. i., p. 412) to all aura auca, adding, the latter word is unequivocal, but the two last letters of Bahmana are doubtful.

i ['Jour. Roy. As. Sec.,' vol. vii., p. 344.]

i Die Pehlewi-Legenden, Kepenhagen, 1843, p. 60; and 'Numismatic Chronicle,' vol. xi., p. 135.]

i Cf. Gildenseister Scriptorum Arstens de rebus Indicis,' Bonn, 1827, p. 6;
'Tabari' MS., can. 115; Haji Khalfa, a.u. 36; 'Abulfaraj,' pp. 116, 183, Pocock,
Ozon.; St. Martin, 'Armenia,' vol. ii., p. 18; 'Has Khardabah' MS., Bodl., No.
435; Massadi, 'Mendows of Gold,' p. 369.]

i [Sec also 'Arisas Antiqua,' pt. 197. Sg. 8.]

REVENSE:-

To the left . jil = 1150

To the right . يون شم دات . ١١٥ مح و بون شم دات . Margin :--Legend similar to that on the obverse exergue.

CLASS A c: (Bilingual, Scythic and Pehlvi).

To complete the classification, I refer to two coins as yetincompletely deciphered in the Pehlvi, and altogether unintelligible in their Scythic legends, a description of which will be found at p. 332, 'Jour. Roy. As. Soc.,' vol. xii.

VASU-DEVA.

CLASS B: (Bilingual, Pehlvi and Sanskrit).

Prinsep's delineation, pl. vii., fig. 6, sufficiently displays all the typical details of these pieces; I have merely to deal with the legends.

OBYRRES :- To the right of the figure is Pehlvi, but illegible in the

specimen engraved.

De Sin Furei tel for Sel Film dere.

'[Other engravings and faceimiles may be consulted in 'Ariana Antiqua,' pl. zvii., fig. 9; 'Jour. Roy. As. Soc.,' vol. sii., pl. iii., figs. 9 to 15.]

2 [The usual formular opening, corresponding with the Arabic All.]

M. Spiegel does me but have justice when he concludes that I was unaware of his provious decipherment of a perties of this marginal legend when I published my first paper on the subject in the pages of the 'Jour Boy. As. Soc.,' vol. xii., p. 348. In truth, in those days, I was but as little in the way of seeing German backs, as I have limited facility of reading them now; but I quoted, with full and deserved commendation, Prof. Okhamen's treather, and noticed all other continental works, referring to the subject, of which I was able to obtain knowledge. In his 'Grammatik der Huxvircechsprache' (Wien, 1856), M. Spiegel reclaims the title to priority of interpretation of the opening portion of this sentence, which it seems appeared in May, 1844 ('Jahbr, für wissensch-Kritik.' Mai, 1844, p. 703). And, further, he desires to

REVERSE:-

To the right

श्री बासु देवः । का Fam dec.

To the left

ن اواجه کیمواندمهما پانجای زاولستان

Margin

It will be seen that these coins are not very exact in the Pehlvi rendering of the initial invocation, and there are other signs of indeterminate orthographical expression in the indifferent insertion or omission of the redundant —, or final stop, after the pass and the case in the obverse marginal inscription. I have to acknowledge, though I will not attempt to explain, a more obvious divergence, recurring without exception, in the transliteration of the Sanskrit name and Vam, which is reproduced as pass, and pass, in conflicting contrast in the duplicate record on the obverse surface.

A coin, in the possession of Colonel Abbot, equally evincing this peculiarity in its well-executed but now abraided Peblvi legends, displays the Sanskrit जी जामु देव: under a negative aspect, that is to say, as legible on the original die, but reversed on its stamped produce. With the above exception, I have not much doubt about the obverse renderings, nor do I distrust the inter-

correct my randing of pairs. So, apart from the greater probability of the employment of the former formula, the consistency of literal coefiguration, as developed by the coins, is opposed to the transmutation of the Public 3 of pairs into the optional and convertible 2 of the more masters system of writing. I may remark, in conclusion, that an author who is disposed to exact so rigorously his own dues, in such insignificant matters, should have been more precise in his apportionment of the credit of discovery by others. For instance, I find, at p. 26, my alphabets ("Jour. Roy. As. Soc.," vol. xii., p. 262], assigned to smother person. At pp. 27, 52, a complete ignoring of my remarks on the formation of the final 2 ("Jour. Roy. As. Soc.," vol. xiii., p. 379), which the author does not very satisfactorily exemplify from his own materials; and at p. 176, my pretification of the so-long misuaderstood word, on the reverse of the scalier Samanian sciene, and its determination on 193131 Novem ("Jour. Roy. As. Soc.," vol. xii., p. 377; "Numicoustic Chronicists," vol. xiv., p. 181), is quoted as Dr. Mordimann's, netwithsteading that the latter had acknowledged my initial decipherment, and untered into some controversy as to my idea of the derivation of the word (Zeitschrift d. D. M. G. viii. 32).]

pretation of the name of زاراستان Záúdistán on the reverse; but the word that precedes it still continues an enigma, and I hesitate to propose for acceptance either the geographical definition of ' ناجوای ' the old capital of Arachotia, a religious association with the Sanskrit THI worship, or a temporal indication of rulership, of which this may be the undeciphered exponent.

In typical design these coins are in a measure connected with an exceptional style of Sassanian money," attributed to Khosrú II. (A.D. 591—628). The obverse head on these innevations has but little identity with that on the Indo-Sassanian pieces, and is only associated with the device of the latter in the novelty of the front face. The reverse figure, on the other hand, accords exactly with the bust on the eastern money. I have not myself had an opportunity of examining any one of the few extant pieces of the former class, and rather hesitate to propose decipherments on the strength of more engravings; but as there is only one word about which there is any doubt, I may reproduce the legends as follows:—

OSVERSE:

I I would note on passant the entire abstance of the Pehlvi) = in these legends, the ! = y, the Samkrit of uniformly supplying its place as in the Vendidhd, Zond, Flakerdints; Pehlvi, Kawed.—'Anquesil,' vol. 1, 207.]

⁹ [Bawlinson, 'Jour. Roy. As. Soc.,' vol. xi., p. 196; 'Abultoda,' Paris, Paris, 'Journal Asiatique,' vol. x., p. 94; Penyewi, Reinaud, 'Pragmente,' p. 114; 'Ayin-i Abbari,' vol. ii., p. 167.]

Actors, vol. 5., p. 167.]

2 [See Ouseley, 'Models and Geme' (London, 1851), No. 8.; 'Jahrbücher' (1854), No. avi., p. 29, pl. No. 7; Longparier, pl. 11., fig. 3; Olehansen, p. 65; 'Numiconatio Chronicle,' vol. xi., p. 137; Mordimann, 'Zeitschrift,' p. 158. Ker Porter gives on engraving of a celo with a similar obverse, pl. lvin. fig. 18. Reverse: 'A single upright figure, . . . enceuted in a very barbarous style, having a chump-headed, dwarfish effect, vol. i., p. 183. Longparier's No. 6, pl. x. from the cabinet of the Dun de Blacen, is identical in its types: the author assigns this piece to Khosra I. Dr. Mordimann follows this attribution, and interprets the legends—General: TUDN TOPP.

Reverse: TOP NO. 1 = 34, TIDER, with a comjectural addition of 'Iran sized Kirman'—p. 95. It is a question with use whether this coin is not due to Khosra II. rather than Khosra I.]

REVERSE:

سلم بع کرام - To the right . - برای افروت

Dr. Mordtmann reads the final word, emitted in the above, as NYNN, Unaima Chuzistan. I certainly should not thus transcribe the letters as they appear on the Jahrbücher coin; and, possibly, if I did so, I might dissent from the present interpretation: however, as I am not prepared to set copies against originals, I abstain from further comment.

CLASS B: Variety. (Bilingual, Pehlvi, with Sanskrit mintmarks?). Plate xxxiii., fig. 3.

OBVERSE:

العود كالوه - نبكى ملكا or دنكى ملكا Pehlvi legend الكار مدكا

The initial letter is convertible as , or ω , and is frequently either omitted altogether or inserted in the field apart from its succeeding ω . The ω itself is often degraded into a double loop, which alters its character completely. The ω , or k with E final, there is no doubt about; and the strange combination that follows, which, in many instances, expresses nothing but $\omega = \omega_{i}$, proves to be a mere boughing formation of the letters $\omega = \omega_{i}$, the ω being elongated by the addition of the tail stroke, which properly belongs to, and is the distinguishing mark of the ω as opposed to the old Sassanian 3. The final ω of ω ω usually appears on the left of the bust.

CLASS C: (Trilingual, Pehlvi, Scythie, and Kufie).

I do not design to reproduce any detailed description of the

^{1 [&#}x27;Arlana Antiqua,' pl. avii., figs. 5, 7, 10, etc.]

The Pehlvi as المراقبة (Médailles de la Dynastie Sessanide, Paris, 1860, pl. i., fig. 1, p. 56). Dr. Mordtmann, again, assigns a roin, similar in its typical style to No. 10, pl. rvii., 'Arisna Anaiqua,' to Assermidukht, pl. ix , fig. 31, p. 194, Zeitschrift, etc.]

coins I would group under this heading; a delineated specimen of the class may be consulted in fig. 4, pl. xvii., 'Ariana Antiqua';' and my own attempts at their decipherment, together with facsimiles of the legends, are to be found at p. 329 et seq., vol. xii., 'Jour, Roy. As. Soc.'

I advert to them now merely to complete the reference to the several series connected by similarity of linguistic legends with classes B, and B variety, above noticed.

Silver: weight, 58.4 grains. British Museum.

Onverse: - The usual linear imitation of the old Sussanian head, as adopted by the Arabs.

To the left : The standard monogram and reifer

To the right: Legend in unidentified characters, of the same style as in classes A, B.

Margin :- In Pohlvi letters policy, and in Kufic letters the words

REVERSE :- The ordinary fire-altar and supporters.

Margin :-

Upper compartments: unidentified characters as on obverse,

Lower compartments:

To the left The standard monogram.

To the right jil = 1150

Doubtful dates, 68 s.m. and 69 a.w.

CLASS D: (Bilingual, variety of unidentified character with Kufic).

To bring under one view the various transitional modifications of Sassanian money that may, by any possibility, bear upon the mixed series already noticed, I would advert to two subordinate classes, the first of which seems in its alphabetical devices to pertain to more westerly nations, though the sites of

¹ [See also Olshauson, German text, p. 56 - 'Numiumstin Christide,' vol. xi., p. 130.]

² [Khubus in Korman, see Onseley () 199; 'Abultida,' p. 442; Marco Polo Kobinous, p. 197.]

discovery connect it with the Central Asian types above enumerated.

Facsimiles of four of these pieces are given in Frehn's Die Münzen (1832) Nos. 434, 435, pl. xvi., figs. N and I; and 'Jour. As. Soc. Beng.,' No. 101 (new series), pl. iii. figs. 6a, 7. Here again the epigraphs are bilingual; the legend on the right appears to read from the outside, commencing at the front point of the tiars, and the forms of the letters give it a decidedly Phonician aspect, though for the present their elements defy decipherment. The short word on the left of the Sassanian crown is expressed in Kufic letters, its foot-lines being towards the centre of the piece. Professor Freehn conjectured that the combination on fig. N might be resolved into the title of hat the Khalif (A.H. 158-169 A.D. 774-785), and this interpretation receives confirmation from a more legible specimen of the coinage lately acquired by the British Museum.' On fig. 2 and other coins the word appears to be composed of the letters ... or but on an anpublished specimen of Colonel Anderson's the name is fairly legible as sace which, it will be remembered, was Al Mahdi's proper designation."

Class E : Kufic (alone).

I complete the series with a set of medals having many characteristics in common with the money classified under the heading D, though it is a question whether in point of antiquity they are not entitled to take precedence of their bilingual counterparts. The connexion and association between the two is marked both in the general design of the obverse device, and more distinctly in the distribution of the symbols on the reverse, where Ormazd's head, rising from the flames of the fire-ultar, pronounces them either derivatives from a common stock, or imitations the one of the other. The peculiarity of the coins of Class E, however, consists in their having attained to the correct

^{&#}x27; [Major Cunningham's collection.]

T [Price's ' Mahousmodan Hist.,' ji. 23. Fruhn, 'Recensio,' p. 24, etc. ' Hand-buch zur Morgenländischen Münskudde,' Stickel Leipzig (1846), p. 50.]

exhibition of Kafic legends, pure and simple. The earliest published piece of this class is also to be found in Professor Fræhn's comprehensive works. The exergue on the obverse was read by that accomplished scholar as

يسمالله محمد رسول الله الناقان العظم جمال امير الموسنين

To this I am able to add from coins in the possession of Col. Abbott (1), and Capt. Hay (3), the novel, though imperfectly deciphered, legends—

ORVERSE:-

On the reverse the pedestal of the altar is formed of the word ...

CLASS E: Variety.

TALRAH BIN TARER, A.H. 209 to 213.

Copper: size, 51; weight, 30 (and 31) grains. A.H. 209. Two specimens, British Museum (Cunningham collection). Onymuse:—

لااله الا اللهوحدد الشريك له Contre:

بسم الله ضرب هذا الفلس معرصة تسع و ماتين : Maryia

REVERS: —Central device, a burbarized Sassanian head, to the right, with the usual flowing backhair, and traces of the conventional wings above the cap; the border of the robe is bossed or beaded.

In front of the profile is the name Like!

محمد رسول الله مماامريه الامير طلعة على يدي عبدالله : Margin

I have two difficulties in regard to the above transcript from the original Kufic. The one in respect to the name of the place of mintage, which is visible on only one of the two specimens quoted, and is there somewhat confused in the original definition of the several letters, and otherwise obscured by oxydation. The third and fourth upright lines are opened out, or slanted away from one another, towards the top, which usually indicates

t ['Norm Symbols at rem Numerium Muhammedanorum Petrop,' 1819, p. 45, pl. ii., fig. 14.]

the letter ε ; though this sloping off may, perhaps, be a mere fortuitous imperfection of the die-engraving, the final letter is best represented by a modern j, though it may, if needfal, be converted into an J.

The second point is of less consequence, and extends only to the almost invisible outline of the word I have supplied by , under the requisitions of sense rather than on the absolute authority of the single coin which retains in any degree of distinctness that portion of its mint impress.

BRAHMANABAD COINS.

I am anxious to refer, even though momentarily, and in a necessarily imperfect manner, both from the condition of the materials and the want of preparation on my own part, to an interesting series of Indian coins that have only lately been brought to light during the excuration of an inhumed city in the province of Sindh, which Mr. Bellasis, its enterprising explorer, designates, perhaps somewhat prematurely, by the title of the ancient Bráhmanibád.

However, he the site what it may, the laying open of this ruined town has made as acquainted with a class of essentially local money, of which the circle of our Oriental numismatists had previously no cognisance. Unfortunately, for the due and full explication of their historical position, the pieces obtained from this locality are nearly, without exception, of copper; and, in common with their more rare associates of silver, have suffered to an unusual extent during their prolonged entombment.

The general character of the coins, numbering some thousands, and in mere bulk sufficient to fill a 28 lb. shot-bag, is decidedly exclusive, involving Kufie legends with occasional provincial devices, and pertaining, as I suppose, to the Arab

¹ [Its erset position is stated to be 47 miles N.E. of Haidarahad. An account of the city of Brahmanahad was first published by Mr. A. F. Rollasis in Bombay in 1856. A paper by Col. Sykes, on the same subject, appeared in the London Hinstented News of Peb. 21, 1857; and Mr. Bellasis' plans and sections in the number for the 28th of the same month.]

potentates of Mansúrah, who ruled over the lands of the lower Indus after the decay of the central power of Mohammedanism at Baghdad. The money of Mansúr bin Jamhúr (جمهور الكلبي), the last Governor on the part of the Umaiyid Khalifs (about 750 a.b.), heads the list. I do not advert to the earlier coinages of central Asia, which have been transported, in the ordinary coarse, to the site of their late discovery; but commence the series with the coins which bear on their surfaces the earliest extant mention of the celebrated capital Mansúrah, the Arab reproduction of the still more famed Bráhmanábád of classic renown.

' [See ' Balislari,' Reimand's ' Fragments, ' Arabus et Feruma relatife a l'Inde,'

Janbert, in his translation of Edrick, on the authority of the original, states that the local native name of the piece was above. Manufit tells us, 'I visited Multin after 300 a.m., when we like the local indicate the local native name of the piece was above. Manufit tells us, 'I visited Multin after 300 a.m., when we like the same time I visited et Manufirsh, the king of that country was then all the same time I visited et Manufirsh, the king of that country was then all the same and the extent and importance of the kingdom, we are informed, 'All the estatest and villages under the dependency of el-Manufirsh amount to three bundered thousand; the whole country is well cultivated, and covered with trees and fields,' p. 288, sind. Further references to the geographical and other questions involved will be found as follows:—Vincent's 'Commerce of the Ancients,' London, 1807, vol. ii, p. 145. Gladwin's 'Ayin-i-Akbart,' vol. ii, p. 127, et og. 'Marisid-al-Itala',' vol. ii, p. 161. 'Islan' (A.m. 300 to 209). 'and Stud is the same as Manufirsh. Manufirsh which they call Sindle — pp. 12 and 147. Ounchy's 'Oriental Gaugraphy' (London, 1800). 'Ibs Hankal' (A.m. 331 to 368). 'Gilberneister de rebus Indicis' (Bonn, 1838), p. 166. Col. Anderson's Translation, 'Jour. As. Soc. Bang.,' vol. xxi., p. 49. Resumad's 'Géographie d'Absolfide,' vol. i., p. 286, etc., 'Liber Climatum Arabic Text,' J. H. Maeller, Gothar, 1829. Reinsun's Memore sur l'India,' p. 235. 'Ancient Accounts of India, 'London, 1739, citta, Rainsun's edition, Paris. Elliot's 'Historiums of India,' Calcutta, 1849. Elliot's 'Appendix to the Arabs in Sind,' Cape Town, 1843. 'Arisma Antiqua,'p. 413. 'Jour. As. Soc. Bong.,' vol. vii., pp. 93, 279, vol. x., p. 153; vol. xiv., p. 75. McMurde, 'Jour. Roy.

I should be disposed to conjecture a considerable interval to have elapsed between the issue of this currency and that bearing devices somewhat in common, which displays the name of Abdulrahman (No 3 infed), but I am not now in a condition to enter into any satisfactory speculations as to the precise identity of this monarch, or the dates of any of his successors, whose names can be but faintly traced on the worn and corroded surfaces of the coin, submerged with the town of which it necessarily constituted the bulk of the then existing currency. I await, in short, the further supplies of better specimens, promised me by the energetic antiquarians on the spet, and, individually, more leisure to look up the rather obscure history of the divisional government which these coins represent.

I have one remark to add in reference to the peculiarly local character of these numismatic remains, and the restricted antiquity of the town, as tested by the produce of the habitations hitherto penetrated, in the fact of the very limited number of Hindú coins found among these multitudes of medieval pieces, and that even these seem to be easual contributions from other provinces, of no very marked uniformity or striking age.

MANSUR.

No. 1, Copper: weight, 33 grains; size 6.

OBVERSE :-

لااله الا الله وحدد الشريك له Area:

Margin : Illegible.

REVERSE !-

Arm: Central symbol nearly offseed, above which appears the name عمده, and below the words المول الله

بسم الله ضرب [هذا الفا]س بالمنصورة مماامريه (eic)

As. Soc., vol. i., p. 23 st sep. Burnes' Bokhara, vol. iii., p. 31. 'Jour. Roy. As. Soc., vol. i., p. 199. Postan's Observations on Sindh, p. 143. Pottinger's Belonchistan and Sinds' (London, 1816), p. 281. Wood's 'Oxus' (London, 1841), p. 20. Mehammed Ma'sdan's 'History of Sind,' A.p. 710 to 1890. 'Bombey Government Selections,' new series, No. 213. (1855).]

Mesers. Frore, Bellacis, and Gibbs, of the Bombay Civil Service 1

No. 2:

ORVERSE :- Device altogether obliterated.

REVERSE :-

Area: Central symbol in the shape of an elongated eightpointed star: above, عجمد ; below, ارسول الله

بسم [الله] فرب ه بالمنصورة معا امرية منصو (Margin: (vic.)

ABDULBAHMAN.

No. 3, Copper: size, 5; weight, 44 grains.

Onverse :—Control device, a species of quatrefull, or star with four points, on the sides of which are disposed, in the form of a square, the words تعدد رسول الله عبدالرحمي. The outer margin of the piece is ornamented with a line of dots enclosed within two plain circles, with four small dotted semicircles to fill in the space left vacant by the angular central legend.

REVERSE:—A scalloped square, surrounded by dots, within which, arranged in three lines, are the words إبالله عبدالرحمي لسلعار the concluding word I am unable satisfactorily to decipher, it is possibly

the name of Abdulrahman's tribe.

Минаммию.

No. 4: A unique coin of apparently similar type—though with an obverse absolutely blank—replaces the name of Abdulrahman on the reverse by that of Muhammed. The concluding term is identical with the combination above noted.

ADDALLAH.

No. 5 : Copper.

Osvense:-Device as in No. 3 (Abdulrshman).

محمد [رسول الله] عبدالله LEGEND:

REVERSE :- Blank.

No. 6. Copper: size, 34; weight, 18 grains.

Onvense : Central device as in No. 8, around which in a circular scroll may be partially read the formula الله وحدد لاشريك ك له الا الله وحدد الشريك له.

REVENSE:—Centre device composed of the name of all and Abdallah; the two portions are and all being crossed at right angles, in somewhat of accord with the scheme of the obverse device.

The marginal legend is arranged in the farm of a square and con-

mists of the words _ [N] ...

No. 7. Silver: size, 2; weight, 8:4 grains. Devices are discontinued and replaced by simple Kufie legends, as follows:

الله الله الله المريك له الله المير عبدالله المعدد وسول الله المير عبدالله

No. 8. Copper, of similar legends. Other specimens vary in the division of the words, and omit the title of Al Amir.

OMAR.

No. 9. Silver: size, 11; weight, 9 grains. Five specimens. Onvense:—No figured device. Legends arranged in five lines.

بالله محمد رسول الله عمر

Marginal lines, plain or dotted, complete the piece. REVEUSE:—Kuffe legends alone in three lines.

وباللدينو عمروية النصر

No. 10. Copper: wize, 4; weight, 35 grains. Common.

Legends as in the silver coins with the exception that the pis is placed, for economy of space, in the opening between the J's of the control of these pisces is generally very inferior.

No. 11. Copper; size, 31; weight, 21 grains. Unique.

OBVERSE :- Blank,

REVENSE:-

بنو — عمروية النصر عمروية النصر Margin: ٢ — عمروية

OMAB (P)

No. 12. Copper: size, 41; weight, 36 grains. Mr. Frere, unique.

¹ [Among the silver coins exhumed from the so-called Brühmanüblid some are so minute, as to weigh only 1.2 gr.]

² [I am inclined to identify this ruler with the Omar bin Abdellah, above indicated as the reigning sovereum of Manstrah, at the period of the geographer Mastril's visit to the valley of the India, and of whom he speaks further in the following terms:— There is some relationship between the royal family of el-Manstrah and the family of esh-Shawarib, the Radi, for the kings of el-Manstrah are of the family of Habbar ben al-Arwad, and have the name of Beni 'Ann ben 'Abd el-Ayiz el-Karabi, who is to be distinguished from 'Ann ben 'Abd el-Ayiz ben Marwan, the Omaïyide (Khalif)'.—Speenger's 'Mandows of Gold,' p. 386. See also Gildemeister, quoting 'Dan Hankal,' p. 166, and Elliet, eiting the same author ('Historians of India'), p. 63.]

Onverse:—Central device, four lines crossing each other at a common centre, so as to form a species of state of eight points; four of these are, however, rounded off by dots.

LEGEND, arranged as a square:

الله سر

with single dots at the corner angles, and two small circles filling in the vacant spaces outside of each word.

Margin: Two plain lines, with an outer circle of dots.

REVERSE: Central legend in three lines within a triple circle composed of dets, circlets, and an inner plain line. I transcribe the legend, with due reservation, as:

بنه بالله عمرويه النصر



XXI.—ADDITIONS TO BACTRIAN NUMISMATICS, AND DISCOVERY OF THE BACTRIAN ALPHABET.

(JULY, 1838.)

Ir is not an easy matter to gratify my numismatological readers with a plate of entirely new Bactrian coins so frequently as they would wish; for, independently of the time and labour requisite for engraving them, the subject, as to new names at least, may be looked upon now as nearly exhausted. Opportunities, however, still occur of verifying doubtful readings, of supplying names where they were erased or wanting in former specimens, and of presenting slight varieties in costume, attitude, and other particulars, which tend to complete the pictorial history of the Bactrian coinage.

For these several objects I enjoyed a most favorable opportunity during the visit of General Ventura to Calcutta last winter; his second collection, though possessing few types or names absolutely new, boasted of many very well preserved specimens of the small silver coinage of Menander, Apollodotus, Lysias, Antimachus, Philoxenes, etc. The General most liberally conceded to me, from his abundant store, several that were wanting to my own cabinet, both of silver and

copper; and he placed the rest also at my disposal, to draw, examine, and describe, as I might feel inclined. Unfortunately, I refused to take charge of the Indo-Soythie gold series for examination, finding nothing particularly new among them, the consequence of which was that the whole were stolen by some sharper at the hotel where the General was residing, and none have since been recovered! I am now speaking of last January! Since then I have received a coin and drawings of several others from Gen. Court; also two or three from Gen. Allard; and, latterly, the whole produce of Capt. Burnes' search in the neighbourhood of Kabul have been entrusted to my core. It is the very latest arrival from him (or rather from a valuable member of his expedition, Dr. Lord), consisting of two beautiful coins of Eucratides, that stimulates me at once to give forth all that have accumulated in my Bactrian drawer since I last wrote on the subject. I must give Dr. Lord's coins the first place, because one of them is, perhaps, the most curious and important that has yet fallen into our hands.

Plate xlii, contains etchings of both of these coins to which I would thus draw prominent attention. Dr. Lord thus describes the place and circumstances of their discovery:—

'I do myself the pleasure to forward two coins, which I have been so fortunate as to find during my late visit to Tarkistin. The double-braded coin I found at Tash Korghão, the other at Kundáz.'

Fig. 2 I need not particularly describe, us, though new to us, it has been published from other specimens in France. The reverse has a naked figure of Apollo in lieu of the Dioscuri.

Fig. 1 is an unique medallion (that is, a tetrudrachma) of Eucratides.

OBVERSE:—A fine youthful head and bust of the king wearing a
plain steel helmet, with the hands of the diadem protruding behind.



Palengal to James Jacob Herral





On the area above and below-BARIARTS METAX STRPATIONS in the nominative case.

Revense:—Busts of a man and a woman looking to the right: bair simple and without diadom; legend above HAIOKAEOTE below KAI AAOAIKHE

Supplying the word uses, we have here the parentage of Eucratides developed in a most unexpected way: 'The great king Eucratides, son of Heliocles and Laodice.' The former is a well-known Greek name, but it is evident from the absence of title and diadem that he was a private person, and yet that his son, having found his way to the throne, was not ashamed of his unregal origin.'

I have long been pledged to my readers to give them a new alphabet for these Bactrian legends, and I think the time has now arrived when I may venture to do so; or at least to make known the modifications which have been elicited by the abundance of fresh names and finely preserved specimens which have passed under my eye since that epoch. It must be remembered that the only incontestible authority for the determination of a vowel or consonant is its constant employment as the equivalent of the same Greek letter in the proper names of the Bactrian kings. Beyond this we have only analogies and resemblances to other alphabets to help us, and the conjectural assumption of such values for the letters that occur in the titles and epithets of royalty as

¹ [I have emitted some of Primap's original speculations in regard to the Indian origin of Encratides' mother, that he was led into by the faulty drawing of the coin supplied to him by Mr. Massen, and which the scaling was improvious of the original in his possession did not enable him to rectify until new information reached him at the moment of the publication of the current number of the 'Jour. As. Soc. Beng.,' when the error was unhesitatingly corrected by a fly-leaf note.]

may furnish an admissible translate of the Greek in each and every case.

It will be my object presently to show that this can be done, as far as the coins are concerned, by means of the Sanskrit or rather the Pálí language; but in the first place it will be more convenient to bring forward my revised scheme of the alphabet as far as it is yet matured. Unfortunately the exceeding looseness of orthography and caligraphy which could not but prevail when one foreign language (for such it was to the Greek die-cutters) was attempted to be rendered by the ear in another character, equally foreign to the language and to the scribes, with abundance of examples before me, renders it almost impossible to select the true model of some letters for the type-founder!

I begin with the initial vowels:

7, a. This symbol continues to occupy the place of the vowel a in all the new names lately added to our list, beginning with the Greek a, of which we have now no less than seven examples. The other short initials appear to be formed by modifications of the alif as in the Arabic, thus:

Y, we, is constantly employed for the K of Greek names.

3 s, is found following it in the word Eucratides, as though put for the Grock 7, but other evidence is wanting.

[with the head-line reversed], if though wildom met with on the coins, is common in the inscriptions, and by analogy may be set down as i.

I d [the Numismatic as, plate xi.], is employed in words beginning with as.

The medials seem to be formed in all cases by a peculiar system of

I [It will be seen that under the combined powerty and imperfection of the only Bacteran type available in Europe, I have had much difficulty in doing justice to Prinage's latest revision of this alphabet. As my nutber's own forms were often faulty and defective, it was of course necless to reproduce the deficient lettern, or to do more than indicate as nearly as possible, though ascessarily in somewhat of a patchwork manner, the essential position in which he left the study of Arian poleography.]

discritical marks; of these the r is the best determined, being found applied to almost all the consenants in the form of a small stroke crossing the letter. The r is uncertain; it may be a prolongation below in the r,—a fast stroke or matra. The r, I judge from the Manikyala inscription, to be a detached stroke behind and above; in a few cases only joined. The s may be the loop so often seen at the foot of the written letters. I feel it to be a little premature thus to assign sounds without any positive authority; but it was from a similar assumption of the value of its vowel marks that I was led to the discovery of the Indian pillar alphabet.

With regard to the consonants, I ought, perhaps, to follow the order of the Hebrew alphabet; but, as the language to be expressed is allied to the Sanskrit, it may be more convenient to analyze them in the order of the latter.

γ. ks. This letter on further scrutiny I find invariably to represent κ; and its place is never taken on the coins by γ, as I formerly supposed. It occurs also with the yourd affix i, as ki; also, but soldon, with the a, as ke; and with the subjoined r, as krs. In the compounds, bla, kli, a form is adopted more like the Hebrew q p (quere ±). There are two as three examples in support of it.

S, Ah, is limited as each to the name of Antimachou; but I find it also representing the g in Abagason. In the written tablets we have various forms seemingly identical with it; yet one of these, with the vowel i, is used in some places for the (intended for the inflected ! !). There is no small affinity between them and \(\gamma\), \(\Omega\), the Ah of the old Sanskrit written invertedly.

[1st, see second form of Numiscostic u; 2nd, the same inflected with r; fird, the compound represented by the eleventh letter in the inscription from the braze cylinder, pl. vi., vol. i.] I place those forms here because they occur several times in the tablets, and they bear some resemblance to the g of the Pehlvi.

Of the Sanskrit palatinis unither the Greek nor the Chaldaic alphabets contain any proper examples—the ch and j are modified to a and to—which letters we must expect to find substituted for the Sanskrit class we way.

[No. 1, a v reversed; 2, a d reverced. See Numismatic skh, pl. xv.]
The first of these forms is found at the close of a series of words terminating each in the same vowel inflection, ', s; which makes me suppose it to be the Sanskrit conjunction chs, uniting a string of epithets in the locative case. As yet I have no stronger argument for its adoption.

u, or 4, ja (tso?). The form of the Chaldaic to 2, agrees well with

the first; indeed, in many coins of Azes, the Bactrian form is identical with the Chaldric. I find that in every case this letter may be best represented by the Sanskrit of j, and, indeed, in the early coins of Apollodatus, etc., its displicated form [the fourth letter in Mohardja, pl. xii.] seems to be copied from the ancient Sanskrit E, reversed in conformity with the direction of the writing. The only inflection I have met with of this letter is ju:

I can make no discrimination between cerebrals and dentals; because the Greek names translated have of course no such distinctions, but from the variety of symbols to which the force of d and t must be ascribed. I incline to think the alphabet is provided with a full complement, though it is in the first place indeed almost a matter of option which letter to call d, t, r, or n, they are all so much alike—thus for t we have γ , γ , and γ , and with the yowel t, η , \neq , etc.

As the equivalent of d again we have the same \(\frac{1}{2}, \gamma, \) and also three other forms [1st, the second of the lifth Tradata, pl. xii; 2nd, the third of Memender; 3rd, the penultimate in No. 32, pl. xii.]; and for dhi, [dhri and dhi] the formerly evidently \(\gamma\) with \(\gamma\) subjoined; the latter quasi thi or dhi; sometimes it is nearer \(\frac{1}{2}, ri.)

I do not attribute this ambiguity to the letters themselves so much as to the earelessness and ignorance of the writers, who might pronounce the foreign name Apollodotus, indifferently Apalatada, Apaladata, and even Apalanata. Being obliged to make a choice, I assume as in my former paper—

7. 7, for fa, whence the various inflections.

3. to, the, commonly used for dh, and its inflections.

7 1. 1. for da, nda.

f, so. I do not perceive any indications of the other messls, and indeed, they seem to be omitted when joined to another consonant: but I find something corresponding to the enumerors attached below the vowel a, and before consonants it seems represented by so.

p. The first of the labials is one of the best established letters.
It has been discovered also inflected, and united with either h or s in η phs or sps: also with h in phi, and in other combinations which will be noticed as they are brought forward.

Ψ, ψ, pha or fa? I have no stronger reasons than before for continuing this value to ψ:—it seems in some few cases to usurp the place of v; it is inflected also.

Bay is still undetermined; in the doubtful name above quoted, ABAFAZOY, it seems to be replaced by \(\) or \(\)—the aspirate is also unknown.

O me Y. This letter admits of no doubt whatever; but in the

Menander form, φ, I now recognize the inflection me, corresponding with the Greek name more closely. The second or what may be called the printed form of m has a considerable affinity in form with the old Sanskrit B or M, whence it may be almost as readily derived as the Burmese form of the Páli m.

A ye. This letter is unchanged: it invariably replaces v and y, and sometimes j where the latter would be expressed by the Sanskrit w or w. It may perchance have been modified from the letter, for in some examples it is turned up on the sides thus, w; the inflected form yi is of common occurrence: y less common.

A, I, ra. It is necessary to preserve these three representatives
 of r: I incline to think that the prolongation below may be the matra
 or the long d inflection, rd; for the first form is used in Ermaiou
 where there is no intervening vowel. It is only distinguishable from
 d by the foot-mark of the latter, which seems to be often omitted
 notwithstanding.

+t, is. Further acquaintance has taught me that this is the only representative of A to Greek names: the instances wherein the l before appeared to be replaced by l have been disproved by duplicate coins. The inflected form et. N, has numerous examples among our new ac-

quisitions.

we, and ed, rest on strong but not indisputable authority, as will

be seen below.

on 1, As, has been removed from its former position as I on ample grounds; and the value new assigned has, I think, equally strong support—though as far as Grock names are concerned it rests solely on the initial syllable of Helicoles, As. There is, again, a similarity worthy of remark between inverted, and the old Sanskrit As, b, To.

p, ss. To this letter I gave the sound of o on the former occasion, because I found it the general termination of nominatives masculine in Zond and Palt—replacing the Sanskrit vicerge, at or as. Since then I have found the same letter (affected with the vowel i) in two Grock names as the equivalent of si, and I am too happy on other considerations to adopt this as its constant value; whether the dental s of the Sanskrit will best represent it remains to be seen, but the nearest approximation in form occars in the Hebrew p s: there are certainly two other characters [one like a k, or *], and *| having the force of s or sh. The former I should presume to be the Sanskrit she *| from its likeness to the old form *| The latter, *| having the synthesis to the old form *| The latter, *| have a variation of *| for which it is sometimes used, but rather by change of the Grock z to z, than as being the same letter, for elsewhere it takes the place of the Grock z as in Aziaizor, while *| occurs for z in the same word. In

form it seems to be the Chaldaio n, or th soft. Several inflections of these letters have been observed.

It will be naturally expected that the alterations I have been compelled to adopt in the value of many of the above letters must produce considerable modifications in my farmer interpretation of the Bactrian legends. Indeed, when I look back at my attempt of 1835, I must confers that it was very unsatisfactory even to myself. I was misled by the Nakshi-rustam trilingual inscription, wherein the title of king of kings has been uniformly read as solable walable, though I balanced between this and the term waker is, having found rao on the Indo-Seythic series. But, once perceiving that the final letter might be rendered as so, which is the regular Pali termination of the genitive case, I threw off the fetters of an interpretation through the Semitic languages, and at once found an easy solution of all the names and the epithets through the pliant, the wonder-working Pali, which seems to have held an universal away during the prevalence of the Buddhist faith in India.

The best test of the superiority of a Pall interpretation will be found in its application to the several royal titles of the Greek kings, which were previously quite unintelligible. The first of these is simply BARIARDE, which is constantly rendered by PATIC mahardians, the Pall form of HATICHER. It is true that there is some doubt whether the long rowel d is here applied to the h and r; but we have long since been accustomed to the omission of this and even other vowels in the Satrap coins of Surishtra. The word is often written PATICO, whence I have supposed the dot or dash below to stand for d.

The next title is BAZIAREDI BAZIAREDN, which we find replaced by mahdrdjass rdjardjass, a perfectly sound and proper expression according to the idiom of the Sanskrit. But in one class of coins, that of Azes, there are some very well preserved specimens, in which the second part of the title is Figure , which is evidently rdjdtirdjass (or adds, for the letter has a turn at foot, and may be meant for dhi), the regular transcripts of the paramount sovereigns of India. The syllable dhi is often written > 6i, > ri, or even \$i or gi(?) but the vowel i shows what is meant.

To the title of king of kings is generally added on the Greek side the spithet METALOT, for which we have an addition in Bastrian of the word PTO maketes, one of the forms of the Páli genitive of makén (or maket) great, which makes only maketek PEC: in Sanskrit. The full title then is thus found to be makérdjese réjadhirájase maketes, which is for preferable to the clumsy and unsatisfactory makete kakkee maleke of my former paper, now rectified by the rejection of make.

The next title in the list is zarnpoz, for which we have rather a dubious word of four letters, either dadatase or neadstoca, the former equivalent to text; the bestower of does, a word comprehending protection as well as charity;—the latter to text; of the giver of pleasure.

The epithet of next frequency is ANKESTOY, the unaconquered, which is translated by aparihetess (Sans. Sufferes), the unbesten or invincible. It is this word principally which leads me to make p es, and to distinguish it from n ti and it, with the latter of which I before confounded it.

Next in order comes the somewhat similar expression NERGOFOT; but the correct definition of this spithet is preserved in jayadharasa, the bearer of victory. In one instance the dh is written separately FIRAN; in others (like the dh of adh) it is jayadarasa, but there can be little doubt of the sense; and this word is a strong confirmation of the value of the letter V, or H js.

There is a second epithet of nearly the same signification which is common enough on the Seleucidan coins, but comparatively rare on these of Bactria, Nikatopox. This epithet was found on the unique coin of Amyntas, of which Col. Stacy was unfortunately robbed, and on one or two others. In the Bactrian translation the same word is used in every case as for Nikheopor, namely, jayadharasa, the possessor of victory, or the victorious.

There remains but one epithet to be accounted for (for *MODATOPON of the Apollodotus unique coin does not seem to be translated):—it occurs on the coins of Heliceles, Spalurmes, and Archelies; I mean ANAIOT 'the just'—a care epithet in any but the Arascidan line of kings. This is everywhere rendered by diamilase (Sans. Whate) the exact expression required, and one constantly applied to Indian kings.

I am wrong in saying that the epithets are here exhausted, for on the unique coin of Agathocleis in Dr. Swiney's possession there is a singular epithet exceptioner, 'heavenly dispositioned,' yet unaccounted for: of these, the two or three first letters are lost, and the last two p'\(\gamma\) fass may terminate decreasizes or some such simple translation. It is a curious fact that the name of the queen does not appear to be feminine in the Bactrian legend; and the title makindjess is also in the mascaline.

There is another expression on a cain of Spalurmes, viz., 'king's brother,' MHAATMOZ AIRARDY AARASOT TOT BAZIAEDZ, the Bactrian translation of which at first seemed inexplicable; but, by means of

another coin, I think I have solved the enigma, as will be presently explained.

Another expression for the "great king of kings," is met with in one exemple only, as far as my information goes, namely, in the rude equare coin of Spallrines, of which four specimens have passed through my hands: here the expression runs mobinesses maketakass (quasi networks); but no great stress can be hid on each rude specimens.

Having thus satisfacturily disposed of the regal titles, we may place once more under review the whole of the Grock names with their Bactrian transcripts collated from a multitude of specimena.

HERES WARE	DESTRUCT IN HOUSE CHARACTER.
AZOY	(min), benumered April
AZIAIZOY	dy Lahon
ΑΠΟΛΛΟΔΟΨΟΥ	Amiladatoga
APAHORASCA(Seed estrict	the old Standard SAPSEE
APAGORAFIAZ	. Ficknessistem (or pass)
ANTIMANOT	additional lasts
ANTIAAKIAOT	Addition in the same
ANTNYOY	dollars
AFXEARPY	. (colpre, Burryon name cross)
ABAPAROY	Abillothese.
EYEPATIAGE	Enkrafidaan.
EPMAIOT	. Errogus.
MAJORAREZ	Helepsylvynia.
AIOMILACIT WITH THE PARTY OF THE PART	
ATSIOT Toronto	Lienas (or Laribnes).
MATOT	Margan (or mornes),
MINANAPOF	Molecular (or Mountain).
DIAGRENOT	the state of the s

Then follow a class of come in which the names are either quite different on a(ther side, or the Greek is intended for a transcript or translation of the native appellation.

Then the group of the Ferres, or Phrasics dynasty, if we may so call it, of which some new specimens will be introduced presently.-

```
TNAO4EPPOT Formittee meditions
FONAO4APOT Farabelian yandollarum
HPONA24EPPOT Fiarabelianum
```

but it may be doubted whether all those are not in reality the same name. Faraketene, coupled with the title corresponding to zarasez, written in a loose manner.

On the reverse of the coins of the second Hermicus (or perhaps the











third), having a Hercules for reverse, commences another series of native names, forming what we have designated the Kadphises or Kadaphes group. After the change from EPMAROT on the obverse, to KAASLOT, we have still precisely the same reverse as before, and it is preserved through a numerous series;—the title of maharija is not to be found, nor is it easy to see where to commence either the Greek reading KONLOVALI KAASIZOV XOPANO, or the Bactrian, which may be transcribed dhame. rate Kajelahase sebashakha (3) Kadaphase:—in this reading, if we can make out nothing else, there are at the least two names, Kossala (also written Kousle and Kousle), and Kadphises (also written Kadaphas and Kadphises), accounted for. The distinctions on the small coin of KOPANOT ZASOT KAASED I am unable as yet to make out for want of further samples.

Connected with the same family we then some to the long inscription on the Mekadphises sains, which may be read by comparison of a

great many examples :-

Mahirajana rajudkirajana saharrasika tharka makikarana siki mahadakipasa mandata,

1 Of the great savereign, the king of kings, both here and averywhere mixing the mark, etc., Mokadahines, the saviour?

I do not insist upon any of these epithets, sakeles makidharasa, for in fact they vary in every specimen. The dhi also looks in many coins more like dhe, quasi dhese Kalphises. On some the reading is rather sabalasa saviratasa makichhitasa nellemit severeign?). On some gold coins, again, the name more resembles recahina Kalphisesa, agreeing with the Greek corner savetence.

It remains only to apply my theory of the Hactrian alphabet to the inscriptions on the cylinders and stone slabs extracted from the topes at Manikyila, etc., but this is a task of much more serious difficulty, and one not to be done off-hand, as all the rest has been! I must, therefore, postpene the attempt until I am better prepared with my lemon; and, meantime, I will proceed to describe briefly the contents of

PLATE XLJII.

Fig. 1 is a small effect Enthydeums in Capt. Burnes' collection. It resembles exactly the modallions already published of the same prince. Weight, 62 grs. See pl. xxv., vol. iv., fig. 1, 'Jour. As. Sec. Bong.'

Fig. 2 is a bouildrachuse of Demetrius also belonging to Captain Burney. See

one figured from General Ventura's collection, pl. xiit., fig. 3.

Pig. 3, a silver coin of Antialcidas, presented to the by General Ventura. Execu-

tion very good. Weight 101 grains.

ORVERSE .- BAZIAEGZ NIKBOOPOT ANTIAARIAGY. Head of the king with a flat belief shaped like a cocked hat .- chlumys on the shoulders, and diadem seen under the hat.

REVERSE :- Bectrian legend, Mahdrepess joyadharess Anticlibidasa Jupiter

seated holding a small figure of victory.—at his feet to the right, the forepart of a small elephant with trunk elevated. Memogram on the left composed of P and -4.1.

Fig. 4, a similar drachms of Lysins, belonging to General Ventura: unique.

OBVERSU: -- BAZIAEGE ANIKHTOY AYZIOT. Head of the king, with the

Demetrius belmet, shaped like an dephast's head.

Revenue: - Bactrian legend, Makingine specificture Lieizes. (The copper square pieces have Lieizes). Hercules naked standing, with club and lionakin, as on the pains of Demetring.

Figs. 5, 6. Two varieties of Menumber, not yet depleted in the journal, given to me by General Venture, who has many of a similar nature. In one the prince wenre a handsome holosel, in the other he has the simple diadem. The reverse of both agrees with the one sugraved in pl. riv., fig. 1, except that Minerva holes in the contrary direction.

HULIOCLES, Kews or Bactura.

Fig. 7. The first coin of Heliocles which I have yet soon in India. It belongs to General Ventura. A square support or brouge place in axedicat preservation.

OSVERSE: - BARRAEGE AIRAIOT HAIOKABOTE. Diadon'd head of the 'just

king, Heliorles,' somewhat similar in features to Eucratides.

Ravense . Bertrian legend, Makerupes themsless Helipakleyess : 2 an elephant equipped with howinh and trappings walking to the right; monogram 3.

Fig. 8. A less perfect sold of the same king presented by the General to myself.

In lieu of the head of Heliceles, the obvious bours on elephant, maked, walking to
the left, Greek legend as above. The presence is irresoverably last.

It is, perhaps, unnecessary here to retract my former doubts of the existence of a Heliceles in the Bactrian dynasty, since they have long been removed by the account of the silver medals in France. We have as yet seen none but these two copper specimens in India, but the probability is that both silver and copper might be found in Bactria proper, to the north of the Hindu Kush or Imans.

An opinion has been started by Mionnet, in opposition to many European numismatists, that Haliocles was no other than Eucratides the second, the parriede. The surname of AIKAIOZ, so unsuitable to such a character, he supposes given through fear or adulation, which I agree with M. R. Rechette in thinking too great an anomaly to be allowable; but without seeking to account for this staggering circumstance, we can now help M. Mionnet to a very powerful argument in his favour from the unique coin of Dr. Lord described in a former part of this paper, which proves that Eucratides' father was a Heliocles; and we know that it was common to call an oldest sen by his grand-

¹ N.B. The stehing of this com is a tetal failure: the plate was laid by for several months and the acid would then turely touch it. In retracing it, the native engraver has quite wandered from my original, and I perceive it too late for alteration on more than half the edition of the plate.

^{*} The ante-penultimate letter might be better rend Sra, or Sri: which would give a Sanskrit version of the muon, - Adjournment, having a sua-like prosperity."

father's name, as is, indeed, universally the custom to the present day both in Eastern and Western countries.

Fig. 9. I have introduced this duplicate of the single mutilated evin depicted in fig. 8, pl. xv., among the then doubtful group, because General Ventura's present specimen exhibits the name in the Battrian, PA? spars, and thus proves it to bolong to the abundant series of AZES coins.

Fig. 10 is a square supper coin of Lysias kindly added to my cabinet by General

Ventura.

It is in better preservation than any before published.

OBVERSE :- BAZIARGE ANTENTOY ATRIOY. Head of Lysias, with diadem. Mionnet says of a similar coin, "représenté en Hercule, la massas sur l'apaule gauche' -but I do not perceive these characteristics very distinctly.

Ravenus:-Bactrian legend, Makdrajuan approbaters finkare, fof the uncon-

quared king Links."

I perceive that both Micenet and M. Racul Rochette give to Lysian the square coins of Spalyries or Spalurenes; though there is no resemblance whatever between them. M. Raoul Rochette writes in the Journal des Sevants, Mars, 1836, p. 136 :-

Cette autre médaille de Lysies diffère sons ties les repperts de celles que nous possédiens déjà du même prines : elle set restée insunnue, à tons les sevents et royageurs Anglais qui, depute plusieurs années se mot appliqués avec un zéle si louable à requillir ess précises monoments de la civilization Grecque enfequa dans le sel de l'Inde : et l'exemplaire que neue devens à M. le génirel Allard, et que ju public, set ancore unique. La fabrique, qui ressemble à celle de la médeille du rei anonyme, que j'ei fait comaître," acrose semillement une époque de décadence, d'accord avec la forme carrêc du C et de l' D qui communecent à parolitre our la mouncie des Arsecides, à partir de Planade III. à une époque qui doit s'éloigner bien. peu de l' âge de notre Lysias. On pourrait wir un sotre reppert entre cette monnaie Bactrienne et les médailles du soltes prince Arnacide, dans le têtre de juste, ASKAIOY, qui se lit habituellement sur les médeilles de Phrasie III. muis ce qui constitue ici la particularité la plus remurquable et la plus neure, c'est la qualification d' Adelphe, AARASOT, affectée par Lyeles, &c."

When the mistake of attributing this coin to the wrong person is corrected, it is curious how perfectly the observations of the learned antiquarian of Paris confirm the conjecture to which I have been led by the deciphering of the Bactrian legend :- the coin is that of the son of a king Spalahara or Balahara; in bearing the effigy of Heroules it agrees with the corrupted coins of Hermeus II. and others

Ventura's splendid cellection.

To be not obvious in what this great resemblance consists;—one coin is square, the other round:—one has a Greek legand only; the other a bilingual one—the equestrian figure is the obverse in one, the reverse in the other. The anenymous coin was first published in the 'Asiatic Researches' in 1831, and in the Journal for

(833 and 1834

¹ The drawing of the very coin described by M. H. H. was published by myself in June, 1836, but I did not doesn the name legible, nor has it proved so at Paris, by their neaking Lysion out of Spalarmon. I stated my reason for not publishing earlier to be, that I might not forestal the "As. Soc. of Paris" in describing General

of the Pherres or Phrahetasa (Phrantes?) type, which appear to belong to one family. M. R. R. agrees with our discoverer Masson in locating them in an Indo-Greek dynasty at Nyss, or near Jelálábád, where their coins are found in the greatest abundance.

I have introduced an engraving of a very perfect specimen of this coin given to me by Mr. Trevelyan, who got it from Mohan Lál, as fig. 3 of pl. xlii.

It may be remembered that the name of Vonones is not found on the Bactrian side of his coins, but a totally different word, FIL-D. Ralaharasa as I read it, or perhaps Balaharasa (aure vag), the patron of champions, a term nearly equivalent to 'Satrap.' Now on all the coins of Spalyries (or Spalurmes) hitherto found, the initial letter has been unfortunately cut off; but the three next are labara, the same as above, wanting only the final genitive inflection: the next letters may be read putase, for (YTM) 'of the son.' Putting the whole together we have (3, Ba) libaraputasa dhanikasa Balafaramasa, ' of Balafarama (either for Balaparams, or THIR), whose strength is his armour) the just, the son of Belibara. Therefore, as be was brother of the cotemporary of Venence, 'the then king' must also have been a son of the some person; and we should expect to find another one of a somewhat similar type struck by him. These conditions are satisfactorily combined in the rade square cain of Spaliries, depicted in pl. xv. and pl. xxviii., fig. 7. He has the same flowing mantle from the shoulders, the sceptre of royalty, and his native name appears to be Balirishesa; thus the father's native name is Balahara; the eldest son's Balirishs, and the second son's Ibdavarma, and the suppor money of the whole triad is distinguished for its exceeding rudeness no less than its conformability of type! The silver money of Spalarmes and Spalirises has not yet been found, or we might probably find that it maintained the name of Vonones, the Parthian king, or his successor, on the obverse.

The style of these three names commencing with Rule,—and the title in particular of the first, Balahara,—call to mind the Balhara dynasty of north-western India, of which the spech cannot be said to be yet well defined. One of the earliest foreign authorities, the historian Masoudi, who wrote in 947 a.b., says:—"The dynasty of Phoor, who was overcome by Alexander, (had) lasted 140 years: then came that of Dabschelim, which lasted 120 years: that of Yalith was next, and lasted 80 years, some my 130. The next dynasty was that of Course: it lasted 120 years. Then the Indians divided and formed several kingdoms; there was a king in the country of Sind; one at Kansuj; another in Kashmir; and a fourth in the city of Mankir

(Minnsgara ?) called also the great Houza, and the prince who reigned there had the title of Balbara.' 1

120 + 80 + 120 = 320 years, estimated from Alexander's time, brings us to p.c. 3, or, allowing a few more years to Porus, say 10 or 20 s.n. Now, the reign of Vononce I as king of Parthia is dated by Vaillant from a.u. 6 to a.n. 20, so that the secondance of time is here perfect, and we need seek no other explanation of the paramount Persian sovereign's name and effigy on one side, while the other modestly bore that of his tributary, because we have witnessed the same in the Satrap coins of Surashtra. The native kings were apparently allowed to have the copper coin to themselves. The religion here, however, is polytheistic, the effigy that of Hercules or Baladeva.

Without insisting upon their being the same person, I cannot help mentioning that the name of Balarishi is found as one of four brothers by different mothers, who cut a conspicuous figure in Indian fable. Balarishi, Vikramarka, Bali, and Bhartribari; the second of these is the celebrated Vikramiditys, whose reign falls 56 years before Christ, and he was the son of one Gandha-rupe, or, as the fable has it, of a gondharrs, in the mortal disguise of an ass. Wilford interprete the tale by making Vikramiditya the son of Bahram Gor of Fersia by an Indian princess, and, to secount for the anachronism of 400 years, is forced to imagine there were several kings of the same name, -which would be likely enough if he admitted (as seems certain from our coins). that Vikramaditya is a more title. We shall presently allode again to this circumstance.

Fig. 11. From General Ventura's rellection. A more perfect specimen of a hithorte illegible coin. It is now seen to belong to Mayor.

OHVERNIT -- BARRARDS BARRARDS METAAOT MATOY. Front figure of the king mated on a chair or throne, a shawl (7) on his shoulders, and a club or knotted couptre in his right hand like that given to Mekadphises.

REVERSE .- Much worn and indistinct, a female holding some object like a searf with both hands, and having a flowing robe behind, like that of the Vonones group. Bactrian legend, rejudderation makertesa measo, and on the field up used nume-

rically (?)

The discovery of this rare specimen, only the third known of the prince whose name it bears," will be highly gratifying to the numismatists of Paris. It will, in the first place, remove the doubt entertained by M. Racul Rochette himself whether the un-Greek appellation Mayes might not be used for Mas, 'the moon,' as a divinity and not as a king; or whether, united to the title BARLARTE, the compound may

Wilford's Essay, 'Asiatic Besenrehes,' ir., 181

I have just received another Mayes of different type from Capt. Burnes too late for insertion here.-J.P.

not be equivalent to the name of Apollodotas: 'ee n'est là, du reste, qu'une conjecture que je soumets avec beaucoup de défiance aux lumières de nos philologues indianistes, desquels seuls il est permis d'espérer la solution de ce curieux problème.'

The problem is now solved so far that we find him an earthly sovereign with similar titles to those of Ares,—and that he is not Apollodotus! The native name, composed of three letters, I should have formerly read MAO, but on the new, and I think correct, system now adopted, it must be read Md-ass or Maysas, as near an approach to the Greek, or by the Greek to it, as the relative alphabets would allow. Of the name itself, I am inclined to identify it neither with Moia, the mother of Mercury (though the cadaceus favors this idea, and the Indian Mays is also the mother of Buddha), nor with Mas, as lunus,—though Chandra is a common name enough,—but rather with Mays (**ITYCINE**), the son of Kuvera, the god of riches (whose name also is frequently adopted by princes), and it may have been borne by a contemporary or successor of Apollodotus, who swayed the sceptre but a short period in some part of the Panjáh, if it is necessary to suppose them of the same age.

PRITOTRES.

Fig. 12. A square copper coin in most respects agreeing with the former can, also of General Vectors's collection, but having apparently a difference in the orthography of the Bertrian name. On comparing the drawing of the aliver Philosomes in the Journal des Savans,' with the repid absorb I had taken of the same cain while in Calcutta, I provive that I read the name and title wrong; which is my reason for inserting this better preserved coin .—the legand is clearly meta-repisse eparthetess philosomes (or Philosomes). On the aliver coin the spithet is apprehense (quasi-surface and to be incorporated by a blunder,

M. Baoul Bochette judges from the military aspect of Philozeness
that he was a satrap placed with a regal title on the north frontier of
the Bactrian kingdom when threatened by the Soythians; but the
circumstance of none of his coins having been found by Masson in the
upper field, while several have come to light in the Panjáb, would tend
to contradict this hypothesis, as much as the Cares Carpophore, or
sbundance personified, and humped bull of his copper coin. This
learned critic does not allow that the brahmany bull has any reference
to India, because it is seen on the Soleucidan coins; but in the only
specimen I have in my cabinet of a Soleucidan with a bull reverse, the
animal is altogether of the European breed.

¹ See notes on the Aliabábhá inscription, Nov. 1837, p. 972—Polaba Ugrasena, devardabtrala Kusova. As the Parthias kings were styled devasable, this country of the devas may have been in the north, as was indeed the fabulous country of Kuvera, the god-king.

COUNT OF THE ARM GROUP.

A great deal remains to be done ere we shall be able to clear the history of this numerous and interesting series of coins. Every day new types and varieties spring up, generally of tinned copper or bronze.

Fig. 13 is a specimen to good relief lately sent down to me by General Allard; there was mother in the collection sent home by General Court under care of M. Meifredy, of which I was favored with the night of the drawing. On this the name on the Greek side was entire, and thence I am smalled to complete my description.

Occasion: —BACIASLO BACIASLO METAAOV VNAOSEPPOV, —raja in a brahmanical dress, upper part of the body maked, —on the head a turban (?) with flowing fillets. The small figure of victory helding a chapter over him forms the poculiarity of the device, of which there are vet but three samples. The monogram, which was before so unintelligible to us, I now recognise as a combination of two letters of the old Sanakvit alphabot, if and 1, we and m.

Revenue:—Whether the figure in a brahmanical costume, holding a trident in the right hand and a palse branch in the left, is Neptune, Sive, the river Indus, or the king, I am not sufficiently initiated in the art to determine. No two reverses soon to be exactly alike, though formed of the same materials; the legend on the present in

Bactrian is

Maharajasa rajumjasa mandotasa jiyadharasa (1) Parhetasa.

I do not pretend to be satisfied with the last epithet, nor with the name, which, however, I collate with M. Court's. I have conceived it possible, on a farmer occasion, that it referred to Phrahates, the predecessor of Voncaes, or another of the same name: but there are too many uncertain letters in it to build theories safely upon. At any rate, the same name of five letters, here soon below the figure of Siva, is found on all the rude colors ascribed formerly to Unad (now corrected to) Underphores, with exception of the penultimate letter, which is there always formed like an f. Fare-clies (I), to which nandatasa (soteros) is invariably added—on M. Court's noin this spithet may be preferably read PTLV great!

On the area are two Bactrian letters, which might be profunely taken for 'six shillings' by an animitiated handler!

Fig. 14. A variety of the same group, in General Ventures recent collection. In this the horseman looks in the opposite direction, and the beginning of the name ΤΝΔΟΦερρε is visible. The monogram is composed of g and Δ,—g says.

On the reverse, a well dad female holding still the trident (though it looks more like the cross) walks to the left—a Greek and a Bactrian monogram on either side, of complex form: legend as before, the same below.

Fig. 15. Another novelty from General Ventura's store, of which a duplicate has been sent to France by M. Court.

In all respects but the name the obverse corresponds with the foregoing. The

I may here note that fig. 14, pl. xxxii., is also a coin of Furkelo, with the letters of as a central symbol.

name in the two coins yet brought to light of this species is quite distinctly PUNACHAPOY, which is either snother member of the family or a corruption of the list.

The eract front-fixed figure on the reverse is dressed in the Hindu dhoti, and extends his hands over a new symbol of gridiron fashion—in his left hand is the trident. This figure has been conventionally styled 'Siva,' when he appears with his bull on the Indo-Scythis coins. The native name is us before, Faraketesa, with the addition of sectadherous, 'the hourer of semething not very intelligible, unless we make the first syllable AQ joys, 'victory.'

Referring to the observations in a proceeding page about the brothers of Vikramaditya, I cannot forbear mentioning that in Goodophares we might almost recognize the father of Vikramaditya himself; for in the word Goodo-phares we have a signification not very remote from Gandha-rupa; depos being pallium, vestis exterior,—the compound may mean 'having a cleak made of the skin of the gandha, penda, gor, or wild ass.' Whenes may have originated the fable of the Parthian king doomed to assume the guise of an ass during the day.

These are speculations certainly much in the Wilford strain, but the curious coincidence in so many names is enough to lead even a matter of fact man uside from the justifiable deductions of sober reason.

Fig. 16, like the last, adds a new some to the Bartrian list. The roin, a thick supper piece in telepublic preservation, was sent down to me by General Allard a short time upo; it is as yet, I believe, unoper

Ourseast - (northess flareless arreader) ABAFAE's - of the great king of kings, Abapases.' there may, purhaps, to another latter hadren the A. The king, known by the dowing fillets of his fladers, some dressed in a petitions, right fashion—and he sits sideways on a righty superiscued horse, lanking to the right.

Monogram & as before, but with the Rustrian latter? I beneath it.

Ravanas:—The same royal personage (by the fillets) as if performing the functions of high priori. The dress is so precisely Indian, that I feel disappointed in not finding a regular Sanskrit name below; nor can I produce much of accordance between the Bactrian and Grock names—the letters are ababbaffass. On the field are various insulated alphabetic symbols,—Bactrian and Grock, and, noder the letter, one which looks like a medican Nagari a, m, but is more probably a Bactrian letter,

The last figure in the plate (from General Ventura's store) is a daplicate of the Axes sein published as fig. 22 of pl. xvii. Between the two one important fact is established, namely, that at this period of the Axes dynasty the use of the Greek was entirely last, while the mative character was written with greater correctness in the same or rather the inverse ratio. The Greek legend is a mere jumble of lotters, but the Bestrian reads continuously—

Makarajasa makatase dhamirasa rejetirejasa Ayasa,
'Of the great king, the mighty, the just, the king of kings, Ason.'

The figure of Abundance with her curmospin has a compound symbol on the left, which might be read Sri, her Indian name; and on the right the two letters 2, 5, \$\text{Lhs} and \$dos, used unserically. (?)

The perfect Greek medals of Bactria proper, however beautiful as works of art, ought not to turn away our attention from these corrupted or 'barbarous' specimens which mark the decadence of Greek dominion and Greek skill. These are the most precious to the student of Indian history: through their native legend he may yet hope to throw light on the obscure age of Vikramáditya, and the Soythian successors of the Greeks on the north of India. Hitherto these classes of rude coins, though very numerous, have been much disregarded, and on that account I now invite attention to them, and promise to return to the task myself when I have fresh materials collected and arranged; my text being, 'those coins on which the native and Greek legends differ, or record different names.'

[Following out the plan I have adopted on previous occasions, of combining the substance of Prinsep's discoveries with a general outline of the present state of our knowledge of the various subjects embraced under each heading, I subjein—

Ist. A revised plate (xi.), and a cursory letter-press review of the Bactrian alphabet, as elucidated by the latest available evidence, and illustrated by a valuable comparative table of the transitions of the early Semitic Alphabets, furnished me by M. le Duc de Luynes (pls. xi.* xi.*).

2nd. A brief introductory notice of the Arian nomenclature, and the parallel transcription and translation of the Greek names and titles occurring on the coins.

3rd. An abstract of the leading theories for the epochal and serial distribution of the list of monarchs adopted severally by the authors who have specially devoted themselves to the study so effectively inaugurated by Prinsep.

4th, and finally, I annex an outline but numerically comprehensive catalogue of all the Bactrian coins I have had an opportunity of examining, together with references to the various publications wherein the more important pieces may chance to have been figured and described at large; further, to improve, as far as possible, the general series, I have added such examples as I felt myself justified in citing from Major Cunningham's inedited plates;1 and, to complete the typical details, I have compiled from the coins themselves a table of mint monograms (pls. xi. xi. xi.), which I trust will be found to afford a full and exact summary of these important records.

L-REVIEW OF THE BACTRIAN ALPHABET.

Whatever of medifications or discrepancies of form may be apparent in the Bactrian character, as opposed to the Semitic alphabets of the West of parallel date, there can be but one conclusion as to their joint derivation from a single parent stem. It would be absurd to suppose that the Phonician and its cognate ramifications cartailed and yet complicated into the crude signs of their own system the more copious and advanced alphabetical series of the East. Indeed, there is internal evidence to the contrary, and the process of simplification of certain characters by the latter can be traced and detected in the more mechanical configurations alone, and otherwise most of the changes and adaptations of the Arian scheme can be explained and accounted for by the double action of the needful increase in the total number of letters, and the effect of contact with the independently perfected alphabet of India proper.

The proofs of the common origin of the two styles of writing are to be found in the direction followed by bothfrom right to left,-in the leading idea of the construction of the majority of the characters of either, and, more definitively, in the approximation and close unity, in each series of the several forms of 3. 7 [7]. 1, and 7.

If It is perhaps necessary for me to explain traces distinctly the reserve I feel called upon to exercise in this regard. Major Curaningham, some years ago, prepared and printed off a series of eightness plates of Bactrian roles, designed for the altimate illustration of his long reortemplated work on 'The Soccessors of Alexander in the East.' These lithographs were most ablightney communicated to myself, and others interested in cognite studies in antimportion of the decorder of publication. They contain faculates of many important roles that I should have been glad to have cited to improve the series new given, but as I trust the author will shortly be enabled to make public his claborated manuels. I ordinarily abstain from anticipating the nevelties he has delineated, even under the full acknowledgment appended on the rare occasions that I have quoted from this source.]

In regard to the date of the elaboration of the improved system, it would be vain to speculate with any pretension to accuracy; but it may be safe to say, while adverting to the internal fixity of the Semitic alphabet and the very remote period at which it can be shewn to have been in free use, as well as to the material progress achieved up to that date, that the Bactrians must have separated and organized their system at an era considerably antecedent to a.c. 250, which is the earliest epoch at which any example of their epigraphy can at present be quoted.

Symptoms of such an independent advance may be tested in the fact, that at the period in question, many of those letters of purely Semitic formation, which were retained comparatively intact as representatives of identical phonetic values, are found to exhibit a far more striking approximation towards the ultimately accepted forms of the modern alphabet than their correspondent characters of the Western system in use under the Seleucide.

^{&#}x27;[For instance, its having formed the model of the Greek alphabet, which itself is admitted to have been surpleyed in the 8th and 10th secturies a.e. Mure, 'Hist. Greek Lit,' iii., pp. 462, 424, 430, 436. M. E. Benan considers that there is evidence authorizing the induction that the Helsewa wrote in the 'phénico-helviouien' alphabet et the time of the coming out of Egypt. 'Histoire Générale des Langues Sémitiques,' p. 109. Paris, 1855.]

Bémiliques, p. 109. Paris, 1855.]

I am not able to discover upon what procise authority M. Reman extends the appeal of Somitism to Buctriz at the period indicated in the subjoined extract, but I conclude be associates it in some way with the accession of 'le dynastic (d'origine arienne) qui fileva à un si hant degré, an viii* siècle, le puissance de Ninive,' and the subsequent catablishment of the kingdom of Babylon — 'Un fait beaucoup plus important que tous coux qui vissance d'être citéle, est la transmission qui ce fit, voru le viii* siècle avant notre ère, de l'alphabet sémitique à tous les peuples du monde ancien, par l'action combinée de la Phémicse et de Babylone. Bemé sur toutes les soètes de la Méditerranée jusqu'en Espague. Perdjab, l'Alphabet sémitique fut adopté spontanément par tous les peuples qui le commercet; 'p. 196, 'Hist, Gen,']

^{*} L'alphabet phénicien était devenu, mus diverses formes, l'alphabet commun de tous les peuples méditerrandens, avant d'être rempiseé par l'alphabet grec et par l'alphabet letin, c'est-à-dire par deux transformations de lui nême. Dans le monument de Téos, déjà cité, l'expression rà geométia (c. c. ypdepars) désigne le texte même de l'inscription.

^h L'alphabet zend paraît se raitacher sux alphabets xruméens. Quant au dévanageri, son origine semitique est restée très-douteuss, malgré les efforts de M. Lepsius pour l'établir.

Tracing more closely the internal constitution of this adaptive alphabet, we have to allow—(1) for the creation of nearly double the number of letters previously existing in any known Semitic series, incident to the linguistic demands of a more exact language; (2) for a hitherto-unheeded discrimination between consonants and vowels; and lastly, for that strange anomaly in Semitic writing, the introduction of the medial vowels in the body of, or attached to, the covering consonant, which was calculated so seriously to affect the normal form of the latter.

With these ample materials for comparisons and inductive definitions, it may be said that it should be easy to arrive at the truth; but it must be remembered that the very multitude and conflicting nature of the possible causes creates, in itself, a difficulty in selecting the ruling one. And as has already been remarked, we are not by any means in possession of the whole evidence in the case, but have to decide upon the facts presented to us by three literal series at a given point of their several histories, when each had already arrived at advanced maturity.

However, let the special instances be proven or not, thus much may be conceded on the general issue;—Ist, That in the formation of the Bactrian alphabet the leading tendency was to follow Semitic tracings; 2nd, That the normal types of the parent stock were altered, adapted, and even devoted to new purposes, as occasion required, for the due exhibition of the more ample and exact speech they were now called on to embody; and 3rd, That the pre-existing and indigenously-matured Pálí alphabet of the South exercised more or less influence in the ultimate determination of many of the forms, more especially in regard to that extraneous element—the definition of the vocalic sounds.

With this limited preface I introduce the detailed examination of such letters of the entire series as seem to furnish data in support of the results above indicated, otherwise avoiding all notice of those characters which neither illustrate the general derivative question, nor present any difficulties in regard to their own forms and values.

It will be seen that I follow the order of the Lat alphabet, as arranged by Prinsep in his early engravings.

1. Regarding the value of the letter k in its leading lapidary form, or its numismatic modifications, there has been from the first but little question. Some apparent anomalies, however, present themselves in the way of a ready determination of the prototype from whence the Arian letter derived its outline. The normal configuration of the Semitic >, Coph, seems to have been devoted, in the Bactrian system, to the representation of a new articulation; and the prevailing style of the Phonician p, Koph, was superseded in the Eastern alphabet by the appropriation of an almost identical character as the exponent of s. And yet, smid the enigmas of Semitic palseography, it is carious to mark the community of design apparent between the Bactrian > of extreme Eastern maturation and one of the Aramssan varieties of the p preserved on the monuments of Egypt.

2. The iA of the Bactrian system will be seen to have gone through a succession of forms, whether under its numismatic or lapidary progressional course; this is possibly owing to its infrequent use, whereby it retained a less determinate position in the general alphabet. It is found on the coins of—(1) Antissachus; (2) Archebios; and (3) Kozola

[&]quot;[It is needful that I should specify more precisely the nature of the motoriols whereby I propose to justify my inferences:—ist, In regard to the lapidary characters. The Especificial inscription may be examined in Mr. Norrio's most acropulous mechanical transcript, expired from an inhad-cloth impression taken from the rock itself, and published in the "Jeur. Hay. As. Suc.," vol. xii., p. 153; us an additional varidention of the facsimile, I have been able to consult the original calico transfer, in some cases available in duplicate, as well as Masson's own ere-transcript, executed with such obvious cure and accuracy on the spot; and, family, advantage has been taken, in the few possible instances, of the assemingly correct outlines afforded by an indifferent Calcutta lithograph, designed by Mr. J. W. Laiding, and purporting to have been drawn from a faceimals by Captain A. Canningham, copied in situ.—The Manikyila stone inscription is engraved in pl. in, of this work, and the entire transcript has been compared and tusted snaw, from the original—new rectified on to its position on the walls of the Bibliothèque Imperials—since my remarks at p. 126, vol. i., were printed off. The Wardak inscription, which may be classed with the monumental rather than with the numinomatic section of paleography, is reproduced in pl. x., and the urn itself is before us for reference. The numerosatic characters are necessarily gathered from diverse scarres, which it would be tedien to expose at large. It may be sufficient to say that the apparent age of the coins has ruled the order of the several examplars inserted in the plate of alphabets.]

**[J or jh, infrd.]

² [Jor jh, infrd.]
³ [See Gesenius, Carpentras Inscription, talk 4; and type table of Semitic Alphabets infrd. series No. 3.]

Kadaphes, in each case in correspondence with the Greek X. Kapurdigiri outline is well ascertained, and equally so is its value, as the equivalent of the Pali ; = W: I have not been able to trace it very positively in the Manikvála writing, and the form I adopt from the Wardak arn is likewise only conjecturally inserted in virtue of outline similarities. I have also entered in the plate the most prominent of the numismatic varieties, whose originals seem often to exemplify the mere crudities of imperfect engraving; but the letter, as it appears on one of Archebius' coins, presents a striking poculiarity in the supplementation of a small hook, such as is used to denote the simple ">, which would almost seem to indicate an acknowledgment of the necessity of some further means of discriminating a character, in many instances liable to be taken for a t or an r. The precise sound of the ancient Semitic r Khath (Hhath or Cheth) is not very well determined; and if it were not for the seeming approprintion of the design of the legitimate Phoenico-Babylenian n to the representation of the Arian ed, it mught be possible to refer the origin of the Kapurdigiri guttural to a reduction of the superfluous lines of the Achsemenian M, to which stage the complicated figure of olden days had already been brought, and whose unchanged outline was finally accepted by the Greeks as their aspirate H.

3. Ψ = Λ 37. This letter, regarding which some doubt at first existed, is now the received exponent of the sound indicated by the characters of the kindred alphabets set against it. The only difficulty connected with it consists in the question which necessarily arises as to what effect the horizontal foot-stroke, occasionally supplemented to its radical form, in common with those of the Ψ j and ¬ l, may chance to have upon its ordinary phonetic value. The Kapurdigiri Inscription, with a single doubtful exception, leaves the original letter unadded to, and the Manikyála stone alike abstains from the augmentation. The Steatite urn (pl. vi.) seems to insert the stroke in the one case in the word **মন্যাদ** and to omit it in the second version of the same title. The Wardak Inscription, which, it may

I In the possession of Columb Abbott]

³ [The instance I refer to occurs in the 14th line in the word pulsaperari, corresponding with the Girnter Pall publishments. The first p has the horizontal footstroke, which is clearly to be traced in the clath impression: it is also entered in Mr. Norrie's first copy from that facebooks, but it has been omitted in the lithograph. Masson's eye-copy gives it in full distinctness; and Major Cuscaingham's transcript fully acknowledges the existence of some such mark, though in the Calcutta lithograph the sign is transformed into an ensection.]

^{2 [} Prinsep, I see, has given it in both cases; but there is no trace of the line on the lid of the vase itself.]

be added, will be seen to centain a striking number of \P' e in proportion to the rare occurrence of the letter in the cognate inscriptions, must be supposed to insert the sign or its substitute, in the form of a back stroke (easily confounded with the subjoined \P' r), in the majority of instances, while, in one case, the g is positively deficient in that or any other subjunctive mark.

For the present, therefore, I am disposed to conclude that this line constitutes a mere optional addition to the simple letter, possibly having its origin in a design more completely to distinguish the g from some of the literal compounds, with which it was liable to be confounded.

Regarding the origin of the character itself, I should be inclined to attribute its derivation to a semitically outlined and more cursive imitation of the Pálí 5. The proper s g of the Pálí series, which so nearly corresponded with the Phenician 1 g, will be seen to have been devoted to other purposes in the organization of the Bactrian alphabet; hence a new form had to be found to represent the functions of the g, which it is easy to conceive may have been taken from a character of proximate sound in the independent series of the South.

- 4. K = t w. The sign for gh has been noticed and commented upon under its numismatic aspect, at p. 207, vol. i. It remains for me to confirm the true outline of the character from lapidary sources. The gh is not a letter of very frequent occurrence, so that the possible examples in the whole kpurdigiri Inscription are limited to three. In tablet iv, line 8, the Arian letters that should correspond with the Girnár w's in the words Berighese and Dhammaghese, are imperfect, both in the original cloth transfer and in Masson's eye-copy. Mr. Norris transcribed them therefore as simple y's. However, the recurrence of the letter (tablet xiii., line 5), in its full form, and in due correspondence with the Páli w in the word Upoghste, leaves no doubt that the earliest lapidary outline is identical with that employed on coins.³
- 5. Major Cuaningham claims, among his other discoveries in the Arian alphabet, to have detected the sign employed to represent this sound. I have had occasion to doubt the finality of this assignment (vol. i., p. 102), and for the present am constrained to leave the Arian column of equivalents of this letter unfilled.
- 6, 7. I pass by the various forces of and me, which are sufficiently assured in their early demonstration, as well as obvious enough

^{1 [}Y. No. 26.]

² [In addition to the proved example of the letter on the Behat coins, it is occasionally met with in monogrammatic combination on the Assessment. It also occurs in the last line of the Wardak writing (pl. x.), and in Captain Penrse's copper-slip inscription, 'Jour. As. Soc. Beng.,' vol. xxiv. [1855], pl. xv., p. 328.]

in their subordinate gradations, as exhibited in the plate, merely noting with reference to what has already been said on the derivation of the Bactrian kh, that the simple form of the Achaemenians and Artaxerxes Longimanus, or their joint prototype, may well be imagined to have furnished the model of the less stiffly-fashioned Bactrian ch.

8. 4 = 6 m. I proceed to consider the various equivalents of the letter j. The Kapurdigiri and Manikyila outlines of the character closely accord with the simple numismatic type, while the dotted inscription on the Wardak vessel develops certain vaguely executed forms, which are searcely consistent with one another, but which may generally be said to show a considerable modification of the

primary design.

The peculiarities in the numismatic character consist in some cases of an apparent duplication of the letter by the insertion at a second forward limb, and in the nearly uniform addition of the horizontal foot-line noticed as in occasional use in connection with the normal form of g. And in these instances, also, I am almost forced into the conclusion that this extra line was not designed to have any effectupon the articulation of the consonant, as the same word, Rajadirajasa, is written alike, with or without the lower lines of the j's (er. s. Eukratides and Kadphises), though the earlier examples affect the former, while the later' return to the monumental outline. In regard to the association of the normal letter with any character of Semitic organization, I may note its near correspondence with some of the secondary forms of the Western 5, though it is clear, if any such identity is to be admitted, that the sign must be understood to have been appropriated to the expression of a foreign and very different sound in the Eastern system.

9. The definition of the Indian Pali form of the jh was effected by Prinsop in March, 1838 ('Jour. As. Sec. Beng.,' vol. vii., p. 272; saprd, vol. ii., p. 36). As the Kapurdigiri correspondent passages, wherein this letter might have been espected to be met with, were defective in the one place (tablet vi., line 7), and differently east in the other (tablet xiv., line 2), the Arian configuration of the character has hitherto recained undetermined. The authority for the present assignment rests therefore solely upon the legends on the coins of Zoilus, where the letter copied in the plate is found as the representative of the Greek z in the king's name. It will be remembered that the Devanagari alphabet passesses no equivalent of the letter z;

¹ [Some of the Azes' toins so for modify the shape of this adjunct as to give it a merely forward direction from the base of the letter, in seeming conformity with the parallel amplification noticed under the letter g, p. 149.]

and although modern practice, under the necessities of the adaptations of a foreign tongue, may often substitute the simple of for the Arabic j, this constitutes no obstacle to the free acceptance of the above identification. The Greek z, it may be noted, is rendered in Arian by the letter p = S (see Philoxenes). In this instance, as in those about to be noticed under Nos. 11 and 12, a difficulty arises as to whether the simple letter or its aspirate should be accepted as the more direct derivative from the parent alphabet. Gesenius' early forms of the Semitic 2 Coph, as well as the leading column of the Duo de Luynes' alphabets, would favor the claims of the latter, while the Achamenian and other proximate reproductions of the same letter approach more nearly to the linear radiments of the former.

10. The Arian letter, answering to m, seems to have been primarily deduced from a duplication of the upper limb of the ordinary; a to meet the requirements of due correspondence with the more exact and ample alphabet of the South. Its use in the Kapardigiri Inscription is not exclusive in its accordance with the Pill h. It is found in substitution of 'I = m in hirawas (line 17), and (if the word is not misread) as the equivalent of 'E m (line 3); but where such strange liberties are seen to have been taken with the orthography in other parts of the writing, these departures from the intentional standard need not disturb the recognition of the leading value of the sign.

11, 12. The Arian cerebrals, & th, in their relative configuration, seem to carry out the general idea of the Pall alphabetical system, which associated the simple letter and its aspirate under more or less community of form, though in this instance the normal character would appear to have been retained for the representation of the aspirate, while the corresponding simple letter was constructed out of its elements by a slight modification in the arrangement of its original lines. The earliest Semitic n. as its name implies, consisted of a simple erose, and in such guiso it clearly found its way into the Bactrian literal series. That it should be adapted to the exposition of the Eastern th, rather than to that of the simple T, to which the Greeks devoted it, need cause no surprise, as it is clear that th (as in 'think') was the primary and preferable equivalent of its sound, notwithstanding that the second and more dubiously aspirated t, to teth. which co-existed in its own alphabet, was converted in the Rellenic system into e.

It is curious also to note, in the Kapurdigiri inscription, what may possibly chance to be a parallel simplification of the dental t out of the complicated lines of the th of the same order of consonants; except

[[] Cujus nomen (17) signose craciforne significare constat.' Gesenius, p. 47.]

that, if this derivation is to hold good, the supposition of the conversion of the Semitic γ into the former letter must fall through, and to the cerebral dh of the Bactrian scheme must be conceded the title of inheritance of the alphabetical outline of the Phomician Deleth. Though, in this case, as the primary form of the original Semitic 12 teth, like its derivative denomination, is indeterminate, and the Bactrian adaptation is equally uncertain in its point of departure, it will, perhaps, be preferable to adhere to the definition which supposes a construction of the simple $\gamma = t$, in unison with the parallel development of γ and γ , from the nearly identical radiments of the simple letters of the earlier series, and consequently to regard the adaptive dental th as a linear improvement upon the tertuous form of the Western alphabets, and as based in one portion of its configuration at least, upon the modified representative of its own simple letter.

13. The d is an alphabetical sign of limited use; but it is of consequence correctly to determine its normal form, with a view to the illustration of the history of the associate characters of approximate sound, and the determination of the progressive medifications of the letter itself. Its positive shape in its monumental expression is suffisiently defined (as given in the plate)' by the Kupurdigiri Inscription. It would seem to retain its original outline in the Manikyala writing, and is frequent amid the coin legends, though strange to say, in these instances it never occurs in its full and definite development as an isolated and uncombined letter, but only appears in its true shape in composition with the vowel i, to receive which its side limb has to be considerably prolonged: honce a question arises as to whother the radical configuration of the character was not subjected to a modified design in its ordinary expression as a simple letter; as such, it may possibly have furnished the model for the nign usually exhibited as 1; and it is clear that the resulting elongation of the upper line and the rounding off of the angular turning point might easily occur in the ordinary degradation of the character. And this suggestion brings me once more to face an acknowledged difficulty,-the intent and meaning of the horizontal foot-stroke attached. Hitherto I have had to deal with letters that derived little or no advantage from this supplementation; now a new light seems to break upon the subject, and it would almost appear that the foot-line in this case, like the Parthian semicircular dot of Naksh-i-Rustam, still extant in the discritical mark of the Syriac > d, was designed to discriminate the d, or at all events to distinguish it from some character

[[]It is equal to \$\ in tablet iv , line 12, and tablet vii., line 2; but it corresponds with \$\ \ \ in tablet vii., line 3, in elastoses.]

nearly allied in shape but differing in phonetic value. As a general rule (for there are few exclusively consistent ones in this series), the character used to express d is individualized by the cross-stroke, while the almost identically-formed is and is are preferentially left unmarked. The value of the letter a se d, whether doing duty as cerebral or dental, is proved by its alternation and interchange with the true dental ; in the antepenultimate in the name of Apollodotus, and in the titles Tradatass and Rajadiraj. So that, whether we accept it as a derivative from the old " - " or as an ordinary n = 7 t, adapted to a modified articulation, its reciprocal value remains much the same.

14. The cerebral da is not a letter in frequent requirement, and though the Arian equivalent is freely developed in the lengthened edict of Kapurdigiri, it need cause no surprise that it abould not have been met with amid the brief legends on the seins, especially when it is seen how little discrimination was made between simple letters and aspirates, and what scant scruple was exercised by the die-engravers in the interchange of one d for another, or the more vague substitution of t'es in place of d's.

15. The cerebral s well retains its original Kapardigiri dentity in the later Manikyala lapidary writing, and on the engraved silver disc from the same locality. Among the modified letters of the Wardak inscription it is more difficult to determine its correct correspondent; for, if we are to follow the Manikyala inscription, the ordinary w has now become s, which form duly appears on the brass vessel; but the m is here so far changed as in some cases almost to look like a return to the model of the early i - w of the Kapurdigiri legends.

16. The 7 - A 7, is a letter which admits of but little question, from its first appearance on Asska's monumental edict to its latest use upon coins. Its form is of importance under the comparative palmographical aspect, in that it assimilates so closely in its simple outline to the nearly homophonous Helzew 7 d of modern days, thus exhibiting the more speedy advance towards maturity of the Eastern system in contrast to that of the West, whose expression of the letter in 250 s.c. had in most instances diverged but little from the primitive sign.

The pr. Eukratistass. Tracktass. Some of Apollodotus' coins mark the penultimate i, but in the better executed specimens the foot-stroke appears as an . See note on that name in the Coin Catalogue.]

² [Among other inconveniencies of imperfect type, it will be seen that I am compelled to use the same sign for j and d. The real difference between the two is properly discriminated in the plate.]

[[]Coins of Azes, et. sog. 'Wardak,' i., p. 162.]

^{· [}Precision in the use of this we seems to have been as little regarded as in other cases already noticed. Ex. gr. Q = I usually. Q=1, 4, 9.]

17. The letter th, in its early lapidary development, likewise admits of but little cavil; but it is doubtful whether its form is to be detected amid any of the inscriptions or coin-legends subsequent to its proved appearance on the Kapurdigiri rock. Its derivation, as well as that of its fellow t, has been already commented on in association with Nos. 11 and 12.

18. (= > Z. Regarding the letter d in its isolated aspect but little need be said; its absolute identity, in the curliest form of which we have knowledge, with the ordinary i = w of the same alphabet, is singular, and often proves inconvenient. It appears to be but little changed in the process of time intervening between the endorsement of Asoka's edicts and the engraving of the Manikyala stone, though the associate w in the latter writing seems to have been considerably modified from the old type. On the reins, this of remains but little varied, either under the provincial or ordinary progressional influence. I have still to speak of the subjunction of the horizontal foot-stroke. If the theory be sound that this adjunct is attached to d's and other special letters, and is never supplemented to the s's, then the second letter of the ordinary form of the name of Menander must be read. as a d, which is certainly opposed to the probabilities of orthographical transliteration. If there were any authority for so doing, I should prefer to interpret the single compound as nam, assuming the foot-mark to be a more simplification of the arrow-pointed enuswara of the Kapurdigiri system; but here, again, difficulties present themselves, as the sign can scarcely be uniformly accepted as the mark of a, and indeed as a suffix to the a's and P a's, it affects another form. It would still be possible to infer that the discriminating sign of the d here supplemented to w might stand for the duplication of the sucreeding d, in accord with Pall requirements of orthographical expression; but I should be surry to propose so hazardous a conjecture without more definite and positive evidence than I am yet in possession of, To dispuse of the succeeding letter in Monander's name, under this, its proper heading. I may note that the character hitherto received as s. appears, from an examination of the best specimens of the multitudinous hemidrachmas of this sovereign, to be a combination of the equivalents of ded.

19. b = 3 dh.4 The definition of this letter is well ascertained,

^{&#}x27; [Certainly this latter rule seems to bold good, with the ringle exception, if such it be, here noted. I have nowhere else succeeded in finding a pointed at.]

⁵ [For a long time the Parthian do was supposed to be represented by an outline similar to the above. The encrest form is given in the plate, under 7. (See 'Jour. Roy. As. Soc.,' vol. 1., p. 118; vol. 11., p. 264.)

and its outline undergoes but little change throughout the entire period represented by the various Arian writings antiquarians have as yet been able to assemble for scrutiny and comparison. I notice it in this place merely for the purpose of drawing attention to the curious coincidence of its form with hat of the Achamenian letter (522 to 456 n.c.), entered in the Phonician series of the Due de Laynes as the equivalent of the Y Tesds. This outline, it will be seen, departs notably from the ordinary run of the derivations from the old Thade; and hence a question might arise as to whether the exceptional letter may not have been borrowed from the independently matured Bactrian series to represent a seemd not very dissimilar to its own, but whose precise articulation did not exist in the Arian system.

- 20. 1 = 1 w. The Kapurdigiri a of manifest Semitic derivation, which here had to represent the sound of # or n at will, seems to have preserved its, to us, normal form on the early coins of the Greek monarchs. Menander, at least, uses it in near parallelism with its counterpart d, and Philogenes places its import us a beyond a shadow of a doubt, by inserting it as the penultimate letter of his own designation. The character, however, was soon doomed to modification, whether on account of the objection to one symbol buring to represent two diverse. sounds, we need not stop to inquire; but on the hemidrachmus of Dionysius the s has become little more than a perpendicular line, and stands in strong contrast to the initial d, which follows the old model. On the Kadphizes coins (No. xxv).) the w is formed almost like a Greek P of the obverse legends, and approximates more to the old design. of the m than to that of the simple w. On Korola Kadophes' coins the wis figured as a perpendicular line with a single arrow-barb on its top like the letter I have transcribed as w from the Manikyala stone and the Wardak urn; and, finally, on some of the Bactrian Satrap coins the letter oppears with the full arrow-point, which may either indicate a modification of the form or value of the character, or may cimply imply the addition of a short vowel to the original letter.
- 21. P.—The Arian p is a letter which presents no difficulty, either in its original ascertainment or its use in its anward course. But it claims special notice, in companionship with the I of the same series, on account of its departure from the standard Phomician type, in the direction assumed by the indicative adjunct, which constitutes the very essence of the character. The Semitic q is shaped like a Bactrian 3 a: that is, the distinguishing curve from the leading down-stroke is turned to the left, while the letter 5 of the former series produces the side curve to the right. In the Arian alphabet both these methods of formation are abandoned in favour of a directly opposite mode of

definition, which strikingly identifies the resulting characters with the corresponding letters of the Pali. These coincidences may, of course, be purely fortuitous, but, taken with other indications of connexion between the two schemes of alphabetical notation, I am disposed to accept the double evidence as more d t notly evincing a designed change.

22. * - L w. The pk, unlike the p, which maintains its integral identity throughout, is subjected to changes and modifications that demand specification. Its Kapurdigiri indicator is freely developed, and the original idea of its formation, upon the basis of its own simple letter, may be traced in the additional stroke inserted in the onward course of the writing, beyond the perpendicular line of the parent b. In its ordinary written form it is with difficulty discriminated from a 7, and this chance of confusion may possibly have led. to the marked alteration which may be observed during its numismatic course to the P of Godophares' money, and again to the + of Kadphises' mintages.

23. The Arian b is the letter of all others that most intimately identifies its own alphabet with the parallel Semitic offshoot of more Western culture. The derivation from some common parent being admitted in each case, it is curious to mark the independent development of the early Eastrian type of 250 m.c., as opposed to the stationary Phonisian 2 in use under the Seleucide; and, progressing onwards, it is still more strangs to note the large amount of derivative identity the Parthian letter of Ardeshir Babegun holds in common with the Bactrian character of earlier days, as well as the close similarity of the joint resultants more definitively exemplified in the Partho-Bactrian coinage. Further, among the coincidences attending the evolution of alphabetical symbols, it is singular to note a parallel advance towards the most approved modern form of the character nchieved proprie meta by the Palmyrene writing."

24. To = # 27. The shape of this character is as well defined and equably sustained, as its value is undoubted; but little, therefore, need be said in reference to it. It would, indeed, have been a matter of interest to have traced the possible combination of alphabetical rudiments whence it derived its standard configuration; but, as our starting point for all comparisons consists in an already matured literal series of many centuries growth, it would be useless, in the absence of the more primitive forms, to institute any contrasts based upon materials apparently so largely modified from their primary outlines.

25. U = 7. At first sight the Bactrian w might be pronounced to

[[]Gesenius, tab. v., pl. xi.e, and Type Table refré.]

have nothing in common with the Semitisms of the Western alphabets; but on examining the question more closely, it seems by no means impossible to conceive that the Eastern product retained in effect a portion of the original elements of the ancient character. The rejection of the superfluous down stroke of the Phoenician sa, which, as it stood, conflicted with the Arian di, would reduce the former letter into the Eastern representative of mi, and the further necessity of again discriminating the uninflected consenant from this latter combination may reasonably have led to the ultimate simplification of the current form of the m, and the reservation of the cross stroke for its own proper purpose, as the sign of the medial vowel s.

- 26. A = w. As with the m, I was almost on the point of pronouncing against any possible Semitic influence in the formation of the Bactrian y: but it is clear that, if the doctrine of intentional simplification of the characters under the needs and requirements of a more perfect language is to be held valid, much of the primary identity of the Phomician 1 might be traced in the form ultimately adapted to the Arian alphabet: here, again, a rejection of the redundant upstroke, which in the Eastern scheme constituted the suffix r, and the emission of the second down-stroke of the Western pulatal, which expressed an e in the Arien series, would leave the character very much in the form extant upon the Kapurdigiri rock. Though I confees that, knowing as I do how much mere mechanical comparisons of forms, under imperfect data, are liable to mislesd, I am unwilling to press such arguments, or to claim more than a possible association of minor coincidences, where the bread question is supported by such definite evidence.
- 27. 7 = 1 T. The letter r of the Bactrian series, as found in the monuments of s.c. 250, is of high importance in proving at how much earlier a date it had become developed into the since dominant Hebrew form than the same character of the cognate alphabets of the West. That it is fundamentally the same letter in both may easily be conceded; and the manner in which the nearly fellow character, the t of one series, the d of the other, advanced into maturity, is likewise striking. The same may be said of the 7 = we of the Bactrian and the I was of the Western scheme. As a simple letter, the standard r remains but little changed. In combination, however, like the anuswara of the Bactrian system, it presents difficulties from the innate obstacles to the conjunction of the literal forms of Semitic alphabets, which, even under the necessities of Arian speech, seem to have progressed but slowly, and by imperfect rules, in this direction. The small back stroke at the foot of the covering consonant clearly

stands for the letter r; but it is a question whether the act of subjunction invariably implied the suppression of the short sound of a inherent in the leading consonant; and supposing such to be the ordinary intent and purport of the act of combination, it is doubtful whother the brief a is absolute after every open consonant. incompleteness of literal definition, so characteristic of all Semitic writing, much must accessarily have been left to the reader's knowledge of the speech so symbolized, to supply orthographical deficiencies; and as we find the compounds San, Sin, etc., so we may fairly assume that the Disease of Kapurdigiri and the Diramike of the coins were intended to be read as Dharms and Dharmila (UM); the Southern Pill of murse duplicated the m in line of the compound rm. Major Cunningbam has discovered a method of combining the rw, subsequently introduced into the Bactrian numiconstic alphabet, whereby the " was ren into the u for the apparent purpose of stilling the intermediate a; and I am the more disposed to concur in this assignment, since I imagine I abserve in all the words representing Dharma, wherein this compound is used, that the tail strake of the usual subjunct r is rejected from its place at the fest of the dk.

Among other progressive efforts towards the due discrimination of the superposed r, I detect a remarkable, though solitary, instance of its expression by a dot above the succeeding consonant in the name of Arkhabiyns. This means of representing the r is semewhat in parallel accord with the system of the South, where the sign was figured as little more than a prolonged dot above the conjunct letter. But even smong these Pill alphabets we have no very positive example of its employment prior to the Sah inscription at Girnar, though there is every reason to suppose that it was in use much earlier than the date of that writing.

28. The formation of the Eactrian I presents no possiliarity demanding comment. I may, however, note its representation by the letter r on the medals of Helicoles, and I may refer to the substitution of I for r in the Dhauli inscription, and the parallel interchanges of these letters in the Western languages of Persia. 'Jour. Roy. As. Soc.,' xiii., 375.' The Parthian I, it will be seen, retained much of the original figure of the Eactrian type, and had nothing in rommon with any of the direct offshoots from the Phoenician model.

29. 7 = ψ. The v of the Boetrian system may be fairly taken to correspond with the original idea of a Semitic γ res; indeed, some of the intermediate forms of the latter consonant-vowel assimilate completely with the outline of the analogous semi-vowel of the Eastern series.

^{1 [}See also 'Caldwell's Desvision Grammur,' p. 120.]

Gesenius, p. 26, and tab. i., 4, 5; Judas, tab. i., and Type Table inflot, series 1.]

The identities of the \exists v have been already alluded to, vol. i., p. 103. The letter is only further remarkable for the difficulty with which it is at times discriminated from the nearly similarly outlined t's and r's. The intentional distinction seems to consist in the more straight formation of the head line, and the angularity given to its point of junction with the down stroke, which also participates in the lesser degree of curvature. At Manikyála a further divergence may be detected in

the extra length given to the perpendicular line.

31. & - P. I am unable to detect any direct affinity between the earliest monumental form of the common Bactrian s and the anteredent outlines of the Semitic p. The nearest approach, indeed, to the ordinary configuration of the Eastern letter is afforded in the p of the Western system. The Duc de Luynes enters, under the Seleucidan period, a form of p nearly identical with the Arian numismatic symbol, but the ascertainment of the value of the character is marked as doubtful, and even if finally admitted, I should prefer to pronounce in favour of its derivation from the Bactrian exemplar, rather than the indebtedness of the latter to the Western source. The formation of the Kapurdigiri a scene to have been effected by the delineation of a dewnward curve, but little dissimilar to the ordinary b, into which was inserted a perpendicular line, -a method of definition which the Sensitique & (circi, 18 a.c.) seems singularly enough to have preserved. In progress of time the Arian s becomes more cursive, or rather takes such a form as should avoid the necessity of a second application of the pen. Under poither form does it seem to have anything in common with the Pall A.

32. \(\mathbb{T} = \mathbb{T}\). The second, or palatal, a of the Arian series need scarcely be looked for among the signs of strictly Semitic origin, and smay be accepted as an independent invention to meet the wants of Sanskrit vocalization.\(^1\) The carliest Pali form of this \(\mathbb{T}\), as I have before remarked, seems to have been borrowed from the Bactrian outline which stood for the \(\mathbb{T}\). The Southern edicts of Asoka make use of but one \(\sigma\), and the contrast between the two systems of writing, in this respect, may be readily exemplified in the word \(^1\mathbb{T}\) is results of the Arian inscription, which is written \(\sigma\) is the Girnar text (xiii., 3).

33. φ — ψ. The Arian st, unlike the letter last referred to, must under every aspect be supposed to have had a counterpart in the languages of the West, and its identity in shape with the secondary.

¹ [I have elsewhere adverted to a possible Parthian derivative from this character, but as the language of the Bilingual inscriptions, wherein the former occurs, is still undetermined, the value and association of the Western form remains purely conjectural. See 'Num. Ch.,' xii., 78.]

forms of the Phoenician p is sufficiently striking. Its absolute inversion, under its Bactrian adaptation, need cause no surprise, as the obvious necessity of discriminating its power from the compound me, whose outline, under the local system of insertion of medial vowels in the body of the covering consument, exactly imitated the configuration, and hence the latter may presumptively be taken to have conflictingly superseded the proper functions of the ordinary ek; which sibilant had therefore to be provided with a distinctive though not altogether novel form of character.

34, 35. 7 = w 7 = wr. The Bactrian alphabet, in common with the Indian Pall, possessed distinguishing signs for the long and short vowel a, though it was deficient in this respect in the quantitative symbols for the i and the w, for each of which a single form had to respond to the double articulations. The Arian system, like its Southern associate, duly contrasted the initial and medial outlines of both vowels and diphthones. The initial forms of the soft and hard a's are marked in plate ai, the authority for the latter resting solely on the numismatic character made use of, with dubious propriety, in the name of Apollodojus The Kapurdigiri Inscription either does not mark the difference between the powers of the two vowels, whether initial or medial, or the failure to discover the additional sign, must be attributed to its shape and isolation from its covering letter, and the state of the surface of the rock, which was evidently opposed to its detection, unless the observer chanced to know sufficient of the language to expect and sork for the simple dot which constitutes the essential difference. As a medial, the short a may be held to be ordinarily inherent in each consumnt; and the long s, in appropriate coincidence with the arrangement of the other vowels, is defined by the detacked dot, the discriminating adjunct of the d initial.

The Bactrian 7 admits of no approximation to any of the purely Semitic forms of \$1; indeed, it approaches nearest in identity to another

I (Colonal Rawlimon has amound to his exposition of the value of the Persian considers a nu claberate note ("Jour. Boy. As. Sec.," rol. x., pp. 64, 78), on the general subject of Arian a"s and their correspondents in the Similia system. One of the few points upon which I altogether diament from his conclusions is his assumed derivation of the Parthine and discounting a few the original Richrow P. Jón. The languages in question, so far as we have present knowledge of them, did not need any alphabetical symbol for the latter atterance; indeed, when Arabic came to be written in Politic characters, the simple 4 of the old series had to perform the representative functions of the foreign articulation. It means much more reasonable to infer that the Eastern copy of the a (whether endomorphy directed to that wowd, or permissible as a substitute for g in the controllance dislated), was based upon some of the varying forms of the ariginal Phoenician a rather than upon the outline of a letter for which the adapters had little or no me, and whose normal and subsidiary configurations were almost without exception opposed to the graphic definention eventually adopted into the derivative alphabets. Cf. also Genes., p. 21, etc.]

letter of the Western series, namely, the g. It is possible that this character may have been incorporated from the common stock, and subjected to new duties; but I should prefer to suppose a positive invention of a new character, or a very marked simplification of the complicated cross-strokes of the earliest st, rendered requisite, like many of the other changes, by the necessity of avoiding complex outlines among the radical letters, with a view to their facile reception and legible representation of the short vowels in combination.

The radical form of the full or initial Arian ? — s claims extraneous attention, in the fact that its outline constituted the basis for the construction of all the other vowels and diphthongs of its own alphabet, which are severally distinguished by the additional marks supplemented in each case to the normal s, while the same discriminating signs suffice, in combination with consenants, to represent the medial form of their several fundamental letters.

An indication of no little importance in the question of derivations, developed by this law, is to be detected in the imitation and simplified extension of the orthographical rule of the Pall, which took the inital X as the basis of certain other vowels and diphthonys, discriminating them from the simple letter a by supplemental additions; thus X a became y d, > o, y an, etc., while i, s, s, had separate forms. The Arian scheme, following out this notion with more effective systemization, made ? the groundwork of the entire vocalit series.

- 38. The vowel a demands a passing notice, rather for the modiffection it undergoes than for any difficulty in its recognition. The initial on the Kapurdigiri rock is formed by the addition of a footline to the standard a, in the forward direction of the writing; and a similar mark effectively fulfils the duty of the medial vowel in combination with consenants. An optional interchange of symbols for the initial may be observed on the coins of Eukratides, which is instructive as evincing the limited precision of the orthographical science of the period. In some cases the opening syllable of this name is defined by a combination of the medial sign of the s prefixed to a squarelycutlined a initial; in others, the sound of or is represented by a fully developed initial s, followed by an unattached and completely formed initial a. The numismatic a medial is speedily transformed into a loop, which form it retains throughout its later monumental course.
- 41. The equivalent of the Sanskrit was is formed in the Kapurdigiri inscription of the subjunction of an arrow-point to the foot of the normal ? s, and may reasonably be supposed to figure in convenient modification of the standard o s, whose sound it convertibly responds to. A similarly outlined suffix is used for the same purpose in com-

bination with consonants, as in Kambayi, Gaedharanam (tab. v.). On coins the stiffness of the adjunct is amended by its transformation into a semicircular curve in continuation of the down stroke of the 3 g, a symbol which, it may be remarked, still retains the elements of the primary o w. The change may be attributed to the greater facility of expression, incident to the continuous use of the pen in current writing, as contrasted with the earlier chisel sculpture of lapidary epigraphy, which had nothing to gain by uninterrupted lines. This numismatic suffix appears frequently on coins and inscriptions of more recent date conjoined with the letter P s, in positions, as regards the latter, which elearly necessitate the interpretation of the compound as san, 'year;' though I notice an apparent inability to define the requisite assessors in combination in the names of Mensader, Amywtss, and Gowdonbares, which it is difficult to account for.

32. The st of the Bactrian alphabet is remarkable as being the only standard compound consonant in the entire range of the Kapurdigiri edict; the subjunction of the r was allowable with any consonant that required the combination; but the suffix of the 4, or rather its incorporation with another character into a distinct sign, was reserved for the conjunction now cited; and this compound retained so much of the force of a distinct letter that it admitted of the insertion of a vowel or the subjunction of the r like any other simple consonant. The divergence from the Kapurdigiri outline in the later examples of its use is limited to a straightening off of the cross-lines, whereby it is conveniently discriminated from the character i or Ai, with which it was otherwise liable to be confounded.

Before taking leave of these imperfect contributions to the

[Colonel Rawlimon attributes those omissions to a general orthographical law common to the Persian cunniform and the Bactrian systems. His remarks on the subject are as follows:

'I need not multiply examples of the absorption of the nazzl, as the first member of a compound articulation; for I have already, as far as argument is sensemed, abundantly verified the existence of each an arthographical law; and it is one, moreover, with which the identical construction of the numberatic Bustrian's has long upo familiarized Orientalists!

Colonel Rawlinson is in error in regard to the second and third names quoted, the insertion of the semesters is pulpable and undoubted, and, when looked for, it is visible enough in one inclunes in Major Cunninghum's plates, on whose authority I conclude the author speaks. The Esparalizary inscription further evidences that this assumed rule, if sound at all, is, in practice, rather constant to the opposite effect, as I may instance at hurard from the names of Devanasspriys, Astiyoke, Astikina, and the words pushusdesim (tab. v.), athussentiranays (tab. vi.), etc.]

^{*} Remark the orthography of the names of Menonder, Antimochus, Antialkidas, Amyntas, etc. In Indian Pali the rusul is preserved before the consonants of all classes. See "Essai sur is Pali," p. 80. "Jour. Roy. As. Soc.," 2., 132.

history of Bactrian Palxography, and terminating these introductory remarks by the exhibition of the positive data of facsimiles, I desire to advert cursorily to the Parthian or Chaldro-Pehlvi and the cognate Sassanian-Pehlvi literal series, exemplars of each of which have been inserted in pl. ix. The first of these claims its position in the general inquiry, in appropriate elucidation of many of the alphabetical coincidences and derivative identities already adverted to; the second founds its title to notice, in this place, upon its apposite intermediary position in the progressive palsographic development of the writing of Asia and the important part it will be seen to have played in its position, as the sole apparent vehicle of speech, whether official or domestic, under the specially national reconstitution of the Persian empire, and the influence that, even in its official extinction, it carried with it into the learning and literature of the conquering Arabe;' while its alphabetical forms and difficultly-comprehensible language survive so largely in their fitting

* [Here is their own testimony to one most important fact in the history of civilization - در عهد عبدالملک جراید دیوانی از صورت فارسی باعربی باید نهادند هادند و رقوم بنیاد نهادند می کدند و رقوم بنیاد نهادند می الله می ال

^{&#}x27; [I have for long past indicted upon one deduction of high import in the history of the Zorosatrian languages, 'in the approximate test implied in the extendively prevailing use of the Pohler character, as pressed force cridence of the existence and currency of the language itself, or of its more dialectic modifications. I would obtain an inversality of its indicence throughout nearly the entire Persian empire; its employment as the vehicle of expression for the monomental records of the kings, its mailtors official currency in the numerous mixts of the Saxanian coupler; and the prographical definition of its houndaries from the Tigers and the Persian Gulf on the B.W., to More and Zabalistias on the N.E., as manifested by the legends on the Arab soins issued within or near these limits. But beyond this I would now exhibit its acceptance in the affairs of private life, as cremplated by the prevalence of its literal forms on the signets and scale of every-day use. And I would could now exhibit its acceptance in the signets and scale of every-day use. And I would could now have existed in the land, whatever of more perfect systems of writing may have been known or employed, it is clear that the sevention letters of the Pohler alphabet softened to express all that either official results or exclusive at transactions required. From our inscriptions and come we can fix with position the date of the currency of this style of writing, and unbasitatingly claim its deminance in Persia from a.p., 220 to A.R. 76 (A.E. 696). Our new authorities, the grow, do not of themselves minilarly define their own opech; but we may hope, by testing the forms of the alphabet, and observing closely other algorithmat indications, to the approximately their place in history.— Jour. Boy. As. Sec., vol. 201, p. 274 (1862). Sec also Westerguard, Zendavesta, i. 19 (Copenhagen, 1854).]

places as monumental, numismatic, and personal records, or the more isolated but carefully-guarded religious services, which, in return, have, in these days, led to the comprehension of one section of the historical epigraphy, otherwise, to us, so enigmatically endorsed upon the less perishable materials of metal or gems.

As I have ventured to infer a derivation of the more distantly cultivated and more obviously divergent Bactrian alphabet from a parentage in common with or intermediately through the Phenico-Babylonian, it is demanding but scant faith to ask for a more direct concession of the influence of the latter upon the Parthian or Chaldseo-Pehlvi of almost indigenous site, and which, epochally speaking, is so limitedly varied from its obvious prototype." The Sassanian hereditative, and for a long time

While adverting to Parthian writing, I feel bound to notice a somewhat prefer-tions article, recently published, which professes to interpret the legends on several classes of sub-Parthian currences. The paper in question is inserted in the "Zeitz-chrift" of the present year (1857), p. 700, under the title of 'Lettre, etc., sur quel-ques médailles à bégendes transennes de l'apoque Arsacide, per Courte A. de Gobineau.' (Téhéran, le 12 Mars, 1857). As the nuther soums to have been altegether un-

[[] J. Olshausen, 'Numismatic Chronicle,' val. xi., p. 62.]

^{&#}x27; [It may be as well to indicate, as far as possible, the surface over which there is extant evidence of the spread of this character. Inscriptions graven in its lotters, in parallel association with the Seasonian Pohiri, are to be found—list, at Presupplia; 2nd, at Shahrrov (95° 60°, 46° 18°); and field as P48 Kali, within the Turkish frontier nonthward of Sulmetants, which latter here only recomity been discovered by Sir II Rawkinson, who further states that instable bed rection variation of this character are to be found in inscriptions at—1. Associate 12. Holwiss; A. Shimbor, in the Baktiari mountains; and 4, at Bebeldo. Or, to state the case generally, the crybs of writing has an Eastern limit of 150 miles beyond the Tigria. Further, it is found on certain classes of Imperial Parthian curse (*Yestgrams,* in. sto.), as well as on several unriving of local immed, which up to this time are expansed to be sub-Perthian or Parther-Persian mintager. The most modern date of its use in inscriptions is to be referred to the reign of Shapele I. (A.o. 240 to 270), indeed, it would appear to have been speedily superseded by the more resultly discreminated Sassanian Pohivi, in which alone the manuscental records (Cf. 'Philosophical Transactions,' red. take, p. 598, pl. xviii. (1795).
Palleria Sme 'Supplément' (1707), pl. L. Sg. 13, p. 32. De Sacy, 'Mémoires are diverses Antiquitée de la Perse, 'pp. 72, 136, 292, etc. Oussier, 'Medale and Gens' (London, 1809). 'Minemet,' v. 698. Millingen's 'Sylloge' (London, 1836), p. 84. Ker Porter, pis. 17., xxii., xxviii., etc. Eleka 'Balaylou and Persepoin' (London, 1839), pl. xii. 'Arimm Antique,' pl. xv., fig. 22, etc. Bawlinson, 'Memoir on Persian Cuncilors Inscriptions, 'Jour. Rev. As. Soc.,' vol. x., p. 118, et sec., vol. x.ii., p. 33, and Dr. Scott's papers, vols. xvii. xviii. sied. Lindany, 'View of the Coinage of the Parthians,' (Cock, 1852). 'Hang, Ueber die Pohlewi-Sprache' (Gott. 1854).
While adverting to Parthian writing, I lied bound to netice a somewhat preten-(Gett. 1854).

contemporary character, is not perhaps so manifest an emanation from the same source, but of the absolute fact there can be no reasonable question, though the ordinary course of mechanical induction leaves this much doubtful, as to whether the Sassanian was derived by independent action from some purely Semitic stock, or whether it was a local improvement upon the intermediate Parthian character of anterior currency and official prominency in their joint monumental association: I myself should certainly prefer the latter inference.

acquainted with De Sacy's slaborate investigations into the alphabet of cognute type, which appears in the numerous bilingual inscriptions of the early finascians, I may be held excused from withholding my general acquisesomes in his readings; but, to show how fallacious his system of decipherment has proved, even in his own hands, I may remark that on his soin No. 7 (Numiconatic Chroniche, vol. xii., pl. p. 69, figs. 5, 6, 7); he detects the word scales (or seeledy, as he transcribes if), in one portion of the legend, while the remarking its remarks that the contribution of the legend, while its repetition in the same spigraph altogether escapes him, as equally in the same duplicate titles on his piece No. 1. The interpertation he assigns to the legend on this latter own I reproduce, he a test of the probable value of the rest of his definitions.

Le Roi de ruse pure, Arbent.

My own reading of the legend of a similar coin, a foreintile of which is prefixed to the modern transcript, is as follows:

עומאבאולורורייייוולולוע

See Numberatio Chronicle, vol. 18., pt. No. 8.

While upon this subject, I may take occasion to refer to my original transcription of the legend on the unique soon of Hormand II., brought from Persia by Sir H. C. Rawlinson (Num. Chron., vol. xv., p. 180; 'Jour. Ray. As. Sec.,' vol. xiii., p. 370). Dr. Scott, in commenting upon my transilteration at opposed to that of Dr. Mordimann, while confusing that the shapes of the letters on the coin itself better accord with my version than that of the author just asmed, ascepts the interpretation of the latter, or period '120' '170' '170' '(of) Ormand, of the god of light,' in preference to mice, in vertex of its having the advantage of 'being comprehensible!' (Num. Chron.,' vol. xvii., p. 166). As I did not pretend to translate my transcript, which was grounded simply on mechanical data. I could have no physician to so much of condomnation; but, in bruth, my version, with the interpretation I now append, not only inakes very excellent sense, but it has the higher metrit of occurring far soors precisely with the typical indication afforded by the monarch's bound-dress, which is formed after the conventional model of the Harmales' head, so frequent on the Greek soins, with the covering of a tion's skin. My transitionation can. While upon this achiect, I may take occasion to refer to my original transcrip

מוריסן בני אוהרטורי לכאבושאן טלכאן מלכא

The parions — the only doubtful portion of the whole—I understand to mean lion killing. The mixture of Aramaic and Paraian in the compound need cause no surprise; neither, I am bound to add, is the sethographical expression of the participle in accord with modern Persian grammar; but these objections are infinitesimal in the interpretation of so irregular and little-known a language as that used in the official records of the early Samanians, 1

The next step in the onward course of the Sassanian alphabet, its merging into the Pehlyi of the early Arabs in Pepsia, which is nearly literation the same as the Parsis have preserved in Kerman and Gujarat, admits of no possible cavil : how much of the essence of these medified letters the Arabs took into their own superseding Kufic has only been partially investigated, and hitherto insufficiently allowed for; but the number of the normal forms of Pehlvi that have passed into and been reproduced in the so-called Zend alphabet are palpable and manifest on the most cursory inspection; and whatever may be the real antiquity of the language of the Avesta, couched in these letters, there can be but one opinion as to the comparatively recent date at which the characters themselves must have been compounded out of more ancient systems of writing.

I now exhibit the Plate of Comparative Alphabets, which I have prepared in supersession of Prinsop's original plate xi. and to complete the data for testing the rise and progress of the Bactrian alphabet from its Semitic elements, I have uppended the two plates of the modifications of that class of literal symbols so obligingly prepared for me by the Duc de-Luynes, whose original introductory notice I inwest in explanation of the derivation of each."

ALPHABET PHENICIEN (PHENICIE PROPRE).

Die temps de Siegen. Les letters & 7, 1, 5, 3, 5, 7, mot prime dans les légendes des deux pierres gravées à morrigions, découverses par M. Place sons les taureaux du Palais de Sargon.) Les autos lettres sent suries de parros gravées à

If it is a pleasure to too to would the discumentances under which I have to acknowledge M, le Dur de Layace as a conditate in this Beasy. During a possing visit to Pario, I was made aware that he had most laborally permitted the Numismatia Phemiciau type, prepared for the Unstration of his own privately circulated works, to be made use of in the printed safe-catalogue of the Baron de Below coins. Encouraged by this concenient, I ventured to solicit a similar favor in my now case, so far as a single circulatory alphabet was conserved. I need not add that this request was readily complied with; but moreover, on my calconountly addressing M, do Luynes, with a view to obtaining a more precise idea of the specimal braidities to which those specimen letters were day, I was surpressed and gratified by a promise of a mature and comprehensive ratios of the entire question of Phomico-Semitic Alphabets, of which the present materials exhibit the performance.]

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lógendes plus ou mains lougues, dont plusiours caractères font partie des légendes sur les deux pierres gravées de M. Place et deivent, par là, se rattacher au même alphabet.

Du temps d' Essauctur .- Alphabet tiré de la longue impription sur le Surcophage

da es Roi. [Journal Asiatique, Avril-Mai, 1866.]

Sous les 1972 Achteus antes. — Cet alphabet est formé des légendes our les médailles les plus archanques d'Arudas : Tête virile barbas et laurés. Bevers, Navire ; au dessus K. D. suivi de lettres numérales rariées. Fl. D. 2. D. y. D.; les lettres 2 et 2º es trouvent sur des pièces d'argent des aucieus Rois de Perre représentant un limitrappant de son polymerd un lieu dressé devant ini ; auguès, 2º, et au revert : N(i)S(i)B DY2 au dessus d'une ville à tous crémelées, des Cette pièce est su Musée britannèque.

Du temps d'Artesterate Longue-main. Tiré des médailles d'er et d'argent des

Role de Tyr, de Cittism et des Chitties (of mes Sotrapies).

Sons Artageresis Madeem.—Tiré de la numionatique des Roise de Osbat (Ryblos) vivant probablement à cette spagus (of. mos Satrapies), et de médailles encore inédites de cette dynastis dans sus collection.

Sous Arteserate Other. - The dee Duriques de maurale travall frappées sous se

Prince.

C'Antiochus IV.

Some Alexandro et les 100 Selemente — Monande d'or et d'argent aux types d'Alexandro frappia ence sur physic et mus sus prevalers concesseurs à Joppé, Acc. Arméas, et Thomas.

Sour les Schweden, de 212 d 165 - Letten indees et nomérales sur les médailles. d'Aradus, de Tyr et de Salon, frappère sons la demination de ses l'rinors. Médailles de Tyr frappère sons Antiochus IV et Discorries II et de Leodicio su revers

Sour le descination Remaine, depuis l'un 185, Monnair en cuiere d'un tracail. de décadonie frappée à Salain. Tyr, et Merathue.

DESIVATIONS DE L'ALPHAGET PHÉNICIEN.

Aramon.—Manuscrite sur papyrus appartements au Duc de Biscus. Gesculus paraît croire que sus Manuscrite qui feut mention de la captivité d'un pouple ou Egypte, sont allusté à selle des Héberes et pourrament être contemporatus. In tent cua, ils sont très anciens. Copundant, le manuscrit de Corportras, portant une inscription de mésus écritere, su paraît pur remonter à une époque très recolde.

Palagrinion — La piupart des Inservations Palagricionnes commos ne sont pur plus unicentes que les premiers Empereure Escales et se dépassent guiers l'époque d'Alexandre Sévire mort en 235 de Jée. Che. Capendant, il existe une médalle presque archaique, frapple à Sulé de Pamphylle, dest la légende est évidenteurs en caractères pulmyrénieus (voir une Satraphe).

Sénsitique vers l'en de J.C. 13.—Cet alphabet est tiré de médailles encore inédites de Rois des environs de la mer rouge et de l'Idamés, dont le principal date

ses monnales de l'an 330 (des Séleucides).

Similique oprie l'an de J.C. 18.—Alphabet établi par M. Herr d'après les Inscriptions de Gebei Mocattell. Inscr. veteres litt. et ling, incusq incogn ad mont. Sin, magn. num. repert, &c. Lipsin, 1840, 4to.

ECRITURE PUNIQUE.

Avent 396.—Médailles archanques de Motyr, Tuits et Aes, frapples en Sicole. Motys fut détenite en 396. De 366 a 352.—Médailles de travail gene uver les types de Céries et de Proscripno, adoptés par les Carthagimes seulement depuis 300, époque où ils commemodrant à honour ces Déceses, et pièces frappère aver le type de droit imité des montains d'Alexandre.

Prentiers puerre pandges.—Médailles au type de la tête de Cérès et du clieval ou de Pégase, d'un lois travell, et que l'ou trouve en grande abandance en ex, orgent, et cuivre.

Seconde genera province. Les maines types en pou ceride, mais d'un travail de décadence et de paiteur d'un titre bien plus leus.

Applica .- Médiffes de bronze de ce froi et inscription de Marseille canetement de la même ép graphie que les régresées de Syphox.

July 179 .- Monutality do en Prince un argunt et enires.

Evanor Research - Manuscript purchase & Espagne et d'Alique avec des types impérioux en combernos par bon écontere à coltes qui portent ese types.

Butt speec de Curvie et porticuliérement oux de Turse (cf. mos Saturgios).

Copre vers 424.—Médailles de Salamina, Deppésa probabliment com le gouvernement d'Abdomon. La lottre 21 appartient à une médaille d'Amerikus de la même époque.

Abdonov, Rei de Sobredov, — abdonov., Saturp. de Cypre, régenit à Salamine. Une modulité de ce Prince, que je pomble, porte un man, 1207122.

Arctive were de l'Inwestina de Cittima, apoque Mantialus muis probablement

L'Inverigition on question est selle du Musée d'Orferd regroduite par Greenina dans ess (Monomouta Phession, pl. 11), mer. No. 12, 2 s.

TYPE TABLE OF SEMITIC ALPHABETS.

I have but little to say in commendation of the subjoined type table of comparative Semitic alphabets, the majority of which consist of such reproductions of the materials of early commentators as the German type-founders chanced to have prepared for the use of printers.

The series Nos. 1, 8, and 4, which are based upon Gesenius' plates, were precured for the casual illustration of the general subject, before I was favoured with the elaborate and more mature facsimiles of the Duc do Luynes, which in a measure supersede the less comprehensive alphabets in type metal, though I have permitted these latter to stand in their introductory capacity, for the purposes of facility of reference. The Kufic literal nigns are likewise of but limited palseographic

The fourth or Pulmyrene series is possible infelications in its conferring of the fermion of the originals; however, M. de Layron formalls will amond its deficiencies.]

TABLE OF SEMITIC ALPHABETS.

正 I 品 177 5 +. PALMYRENE, X.W.Y. - PHENICIAN FT 3. ASSAMAIC MODERN ARADIG. WODERN HEBREW. MODERN SYRIAC: A. SYBIAC. e. KUPIC.



value, as they do not represent the earliest form of that adaptive alphabet. There are, however, two sets of characters (not of German execution) to which I desire to call attention. No. 2 comprises the Numismatic Phosnician cut for the Duc de Luynes, and imitated principally from the forms of letters prevailing on the coins of Cilicia and Cypros. The alphabet No. 5 is, likewise, a novelty, for which I am indebted to the Rev. W. Cureton, who explains its derivation in the following terms:-

"The type was principally copied from MSS, of the 6th century, and represents the earliest form of the character known to us. It is identical with that of the most ancient MS. in the British Museum, date a.r. 411; but the forms of the letters are made a little more excelully than they were written by the person who copied that MS., and imitate more closely those of some better scribe, although about a century

The alphabet in question claims a double interest, in exemplifying the earliest extant Syriac writing, as well as in its near identity with the Estrangelo graven on the celebrated Nestorian monument of Si gan Fu, dated in the 8th century, while its progress on its Central Asian course, thus clearly marked, illustrates the parentage of the Mongol alphabete, whose derivation from a Syriac source has long been freely conceded.

^{&#}x27;[A valuable contribution towards the study of the palmography of the Araba has been furnished by J. C. Lindberg ("Lettre & M. Brissdated." Copenhagen, 1630), from whose work I site the following note on the surface authorizes on the subject.—
L. G. C. Adler. 'Descriptio collecting quaramdess sufferyum in bib. reg. Heunicosi.' Altono, 1780. Silvestre de Sury. 'Mémoires sur l'origine et les anciens monumens de la hitérature parmi les Arabas.' 'Mémoires sur l'origine et les anciens monumens de la hitérature parmi les Arabas.' 'Mémo de l'Académie,' vol. L. p. 247. The same. 'Notices et Extraite,' etc., vol. viii., p. 260; and 'Journal Asiatique,' 1837. M. Kopp. 'Bilder u Schriften der Vorsuit, id., 287.—To them I may add Marcol's 'Palsographie Araba,' Paris, 1828. 'I he Schullikan,' Orient, Trans. Fund, pp. rv., xvi., etc.; and lastly, I would refer to M. Reman's comprehensive series, p. 320, in his 'Histoire générale des Langues Sémitiques,' 1852. While substring to Kufic writing, I must not omit to call affection to the interesting copper-plate grant to the Christian Charch in India—which bears the signatures of attesting vinesces—severally in Kufic, Pehlvi, and Hebrew characters. 'Jour. Roy. As. Son,' vol. vii., p. 343. 'Mairas Journal of Literature and Science,' vol. ziii. (1845), pl. viii.]

' (Or I should rather say my obligations are the to Mr. Watta, of Crown Court.

^{* [}Or I should rather say my obligations are due to Mr. Watta, of Crown Court, to whom the type properly belongs.]

³ [* La Chine d'Athansse Kirchere.' Amsterdem, 1670.—'Assemani,' iii., 2nd part, p. 788. Roma, 1728.—M. Hue. 'Christianhone on Chine,' p. 48. Paris, 1847.—'Journal of the American Oriental Society,' vol. v., p. 278.—Beinaud, 'Géogr. d'Aboulféda,' p. 366.—Benan, 'Hist. Gén.,' vol. i., p. 268.]

Finally, I have introduced a set of Zend letters, more with the object of completing the series of cognate alphabets, than for any credence I wish to claim for them among the other paleographic memorials of the uncient currency of which we have good and authentic proof; and, for the purposes of direct comparison, I have prefixed to this enlarged alphabet the several original Pehlvi characters upon which the Zend correspondents seem so obviously to have been formed.

II. ARIAN NOMENCLATURE

I do not propose to receptual or the Arian transcriptions of the Greek names; the details of each, together with the variations in the standard orthography, will be found duly marked in the Coin Catalogue, and most of their pseudiarities will have already been considered an the determination of the alphabet in whose literal forms they are expressed. The same may be said of the Oriental names, which in process of time superseded the Greek designations, and where the definition must be supposed to be authoritative under its Arian form rather than in the now imitative transcript in Orecina characters. It may, however, be useful to summarize the Arian titles, whether direct translations or local equivalents of the leading idea of titularization adopted from the conquerors, even if it be merely to avoid the tedious repotition of interpretations on the reconrence of each king's little-varied epithets.

- The more common indigenous titles of Maharaj, 'great king,' and its superlative combinations of Rojathray, 'king over kings,' and Rajaraja, 'king of kings,' scarcely require notice.
- The equivalent of the Greek σωτήρ is rendered by the word Tembero, a provincial derivative from Ψ1, 'to preserve'; and here, as in all cases, I adhere to the manifest orthography

¹ [This Zon) type, Eke the early Syrms just acknowledged, is also the property of Mr. Worts. The very excellent Public South, as has been already noticed, belongs to Measure Harrison and Co. Sr. Marria colors.]

ZEND ALPHABET.

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NASALS,	Politics,	1 10.				€ 111.
**	Zend,	1 11.	win.	g an.	J. 30.	F m.

⁴ The definition of the Zond Alphabet is adopted from Spaces¹⁵ *Grammatik der Pärsispenche;* the Palaket arries is confined to the older and importated forms.



of the original, without attempting to reconcile the deviations from the laws of Sanskrit grammatical construction, or to trace the process of vernacular degradation; it is sufficient to say that, having the Greek counterpart, and ordinarily an appropriate Sanskrit root, we must remain content to take the inflections and orthographical variations the die engravers have left behind them.

- 3. The bleauce of the coins is represented by the term Dhamika, or rather Dhamika, from Y, 'to hold, to maintain,' whence we'l, 'virtue,' etc.
- The term νίσηφόροι appears under the optional forms of Jayadhara and Jayada, the derivation of which, from [3], 'to conquer,' 33, 'conquest,' is sufficiently obvious.
- The counterpart of delegros appears in parallel accord as apadihata, for wufaga, 'unrepulsed' (from ga, 'to strike or hart').
- Mahata and Mahataka, of obvious derivation, occur as the representatives of the Greek persas.
- 7. The title Producks, otherwise Praticks, which stands as the indigenous representative of the Greek draderin, may readily be identified as the vernacular form of whates Pratiskihita, 'renowned.'
- 8. The transcripts of the Greek σατράπης and στάτηγός seem sufficiently assured, as likewise does the translation of ΑΔΕΛΦΙΔΕΙΙΣ' in the local Brade-putruss, 'brother's son.'

III.—THE EPOCHAL AND TERRITORIAL DISTRIBUTION OF THE BACTRIAN MONARCHY.

I have already intimated that I am not in a position, either as regards preparation or present opportunity, to review, with the deliberation the subject demands, the classification of the long list of Bactrian kings, the sole witnesses of whose rule, in the majority of cases, exist in the emanations from their mints

[[]On Gondophares' coins, sprutikata.]

exhumed from time to time in and around the ancient seats of government.

In other cases credit is claimed for coins under their faculty of illustrating written history: in this instance they comprehend the sole data for history itself; at least, from their records alone must be drawn, with scant exception, all testimony at present available of the survival, re-institution, and extinction of the dominant Hellenic element on the site of Alexander's furthest conquest in the East. In the almost total absence of annals, whether Occidental or Oriental, it is from the legends stamped upon the public money that we must reconstruct the story of the otherwise unrecorded potentates who swayed the destinies of these lands for upwards of two centuries.

For such tales as these medallic memorials may tell, I must refer to the works of these authors who from time to time have treated this section of numismatics in detail; contenting myself, for the present, with reproducing, with but scant comment, the matured results arrived at by each.

^{&#}x27; [Independent Words — Rictions regai Granorum Bactriani, in que simul Granorum la India selecturar veten termoria explicator, austres Theophil Sigefr. Bayero, ' Petropoli, 1735. Mianuet, 'Supplement,' vol. viii. (1837). Lasson, 'Zur Grechlehte der Griechischen und Indo-kylkischen Konige,' Bonn, 1838. 'Coinr of Greck, Parthian, and Indo-Scythian Kings of Bactria and the countries on the Indus,' by Dr. G. Gratefind, Hausser. 1840. 'Arisen Antique: a descriptive account of the Antiquities and Coins of Afghanistan (with a memoir on the buildings called Tupos,' by C. Masson), H. H. Wilson, London, 1841. 'Hatoriad Results, deducible from resent discoveries in Afghanistan,' by H. T. Praisep, Esq., London, 1844. 'Indische Alterthemskunde,' von Ch. Lasson, Bonn, 1847.

Coleutia Asiatic Kanarchan. - 'Description of melect evans from originals or draw-

Coleutia Asiatic Europeana. — Description of select evans from originals or drawings in the possession of the Asiatic Society, by H. E. Wilson, Esq., vol. 1991, p. 559 (1832).

Journal of the Asiatic Society of Bangod.— Note on Capt. Hay's Bandan Coins,' by H. Torrens, East, vol. ix., p. 70. "Points in the history of the Greek and Indo-Seythian Kings in Bactria, Caind, and India, is illustrated by deryphoring the ancient lagends on their soins,' by Christian Lessen, Bean, 1838, vol. ix., p. 251; continued, pp. 339, 440, 627, 733. 'Notice of some counterful Bactrian Coins,' by Captain Alexander Cunningham, vol. ix., p. 383. 'Notes on Captain Hay's Boctrian Coins,' by Capt. A. Cunningham, vol. ix., p. 581, 'Description of, and deductions from, a consideration of some new Bactrian Coins,' by Capt. A. Cunningham, vol. ix., p. 867; note to ditte, p. 1008. 'Second notice of some forgod rooms of the Bactrians and Indo-Seythians,' by Capt. A. Cunningham, vol. x., p. 570, 'Second notice of some new Bactrian Coins,' by Capt. A. Cunningham, vol. x., p. 570, 'Second notice of some new Bactrian Coins,' by Capt. A. Cunningham, vol. x., p. 570, 'Second notice of some new Bactrian Coins,' by Capt. A. Cunningham, vol. xi., p.

No. 1.

GREEK DYNASTIES.—GENERAL LIST.

PROF. H. H. WILSON.

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Theodotus I.	-		4	-		-	2	356	Philosones		4		÷	9	L.)	130
Theodotus II			×					240									
Euthydemus		١,			-	2	20-	-190									
Demetrius										-	2	ė.	÷	-	u	-	126
Eukratides '	٠,			-		-		181	Apollodotus								
Heliokies	٠.					0		147									
Lysins	٠,		ì	F				147	Hormonus	'n.	×			n			98
Amyutae .									Agathokles	4		-	,			-	154
Agathokieia									Pantalous		i.		į.		2	'n	120
Antimachus .									V								

BARBARIC KINUS.

Se-Hermers, Kadarses, Kaderises

Mayes	1	1	-	ů,		ú.	G)	ø	100	Acilian	900 -				_			60
Paltrieus .	6			6	-0	SI	7	-	:50	Azm;	The same			y.		1		50
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130. On the Gers and Crims Squared in the preceding plate, hy H. Touron, Enq., B.C.S., vol. xi., p. 137. 'Coins of the Indo-Scytline Princes of Cabul (translations of some uncertain Ordek legends),' by H. Touron, Hop., B.C.S., vol. xx., p. 137. 'Coins of Indian Buddhist Satraps, with Greek incompitions,' by Major A. Cuming. hum, vol. xxin., p. 279

Transactions of the Boyel Asiatic Society of Great British and Iceland - An account of Greek, Parthian, and Hindu weehale, found in Judia," by Major James.

Ted, vol. i., p. 313.

Journal of the Engal delatic Society - Observations on some national Indian. Coins in the cabinet of the Royal Amatic Society, by Prof. H. H. Wilson, vol. id.,

p. 581.

Jimeral Bandon Branch of the Engel delete Society.— (theorystians on the Bastrian and Mithrair Cains, in the calcinst of the Bondon Branch of the Royal Asistis Society, by James Bird, Eng., vol. 1., p. 282.

Journal des Societs.—M. Basel Bocketts, s.p. 1834, pp. 325, 385. Supplishment, 1835, pp. 514, 577; note, 640. (Dr. Hendyberger's cosm). The Supplishment, a.b. 1836, Politrary; Allard's (i.e. Ventura's) collection. Some Supplishment, a.b. 1838, p. 736; M. Cont's collection; data, a.b. 1830, p. 89, data.

Journal Asiatique.—M. E. Jacquet, Feb. 1836, 35ms série, vol. i., p. 122; Sept. 1836, vol. 6., p. 236; Nov. 1837, vol. 18., p. 401; Pob. 1838, vol. v., p. 163; May, 1839, vol. vii., p. 395.

Revue Numiconatique, Blois.— Collection Numiconatique du Général Court : Rois de la Bastriane, par Ad de Longoneier, p. 81 (1839).

Numiconatic Journal (Lendon).— Graco-Bastrian Coins, by Professor Wilson, vol. i., p. 144 (1837). "Proceedings of the Numiconatic Society" (Lendon). "Memoir, by Professor Wilson, on the recently discovered Graco-Bastrian Coins, 14th Dec., 1837.

1837.

Numicosotic Chronicle - Major Conningham, Maragraps, etc., vol. viii., p. 176. W. C. W. YROX, Esq., on Bactrien Coms, vol. avi., p. 108.]

INDO-PARTHIAN DYNASTY,

Venones	T	à	_		+	Kodes	
Undopherrie	T	7	-		-	Misorliancous Arueidan	
Gondopharus		8	T	ı	+	Kings	è
Abagasus .							

INDO-SCREETAN PRINCES OF KARUL-

Kadphiseu	k		÷	G			Overki	d	4		4
Kanerki	v	-		3	8	4	Bursope				
Kenerano							Susentians				

CONTEMPORARY CLASSIFICATION.

Enthydemia	ř.				
Demetrina		3	à	Bake	utides

> Apollodotus Dismoles Hermana Su-Hermana (ř)

'Ariana Antiqua,' p. 267 (1841).

Nu. L.

M. DE BARRESTONAL'S LIST.

- Défection de la Bactriane et commencement du règne de Diedole, vers 256 av J. C.
- Agathoriée succède à sun pêre, vors 740 av. J. C.
 Euthydème s'empare du trôse de la Bestriane par le meurtre d'Agathoriée 216 av. J. C.
- Pantaléon se maintient dans le Kabonijotan criental centre Enthydème jusque, vers 234 av. J. C.
- 5. Guerre d'Enthydeme avec Antischus après 219 av. J. C.
- 6. Traité de paix, conclu avec le Bei de Syrie, vers 206 av. J. C.
- 7. Euthydème fait des conquêtes dans l'Ariane et l'Arachosie, vers 200 av. J.C.
 - 8. Demétrius ills d'Euthydéma succède à son ples, vers 190 J. C.
 - Encretides s'empare de la reyanté dans la Bactrians, Demétrius fiende une monucchie dans l'Arachesis et dans les contrées de l'Inde qui avaient été conquises par son père von 181 av. J. C.
- Eurratides fait pendant plusioness semées le guerre à Demétrius et fuit pur s'empurer de ses états, vers 164 av. J. C.
- 11. Eucratides étend ses conquêtes dans l'Inde, vera 100 av. J. C.
- Mourtre d'Eueratide, par son fils Heliocks, qui s'empure de la couronne en Bactrianne, vers 155 av. J. C.
 - Ici remmence le démembrement graduel de la monarchie, et les données historiques semblent nous manquer pour tenter même un ordre chronologique quebonque.
- 13. Antimachos fende un revaune dans la Deappiane?
- 14. Antialeides réunit sous sa domination l'Arachosie et la Kaboulistan priental.

15. Ménandre fonde un puissant revenue dens l'Inde-

16. Arease VI., Mitridate It rol Parthe, envahit la Drangiane, vers 145 nv. J. C.

 Chûte complète de la Messarchie grosspe-bactrieune, proprenent dite, ven 139 av. J. C. 'Rébnes Zeitschrift,' 1843, p. 76.

The subjoined list has been abstracted from Major Cunningbam's lithographed table inserted in the eighth volume of the 'Numismatic Chronicle,' 1843. It will be found to enter into an elaborate detail of the epochal and territorial distribution of the various divisions of the Bactrian empire. The assignment of the geographical boundaries is understood to have been primarily based upon the author's interpretations of the mint managrams discovered on the coins of the different kings. It is needless to add that these results must be received with considerable caution, as most of my readers will appreciate the ordinary difficulties environing the resolution of monogrammatic combinations, as well as the obstacles that exist to the application of the preferable readings under even a well-defined system of comparative geography, a department in which we are sadly deficient in regard to the countries in question.

No. 2.

MAJOR CUSSUSSBAN'S TARES.

248 Diodetus I.) Bartrions (including Segdiana, Bartria, and Margiana).

2 247 Agetheries Parepareisade and Nyss.

4 220 Euthydemus-Buctrians, Arians (meluding Aria, Drangia, Arachada, and Paropamisalar), Nysa, and enhangemently Gundharitis, Probelantis, and Taxila.

5 196 Demetrine -ditte, ditte; and, later in his reign, Patalene, Syrastrene,

6 100 Haliocles Battrians and Paropaminals.

7 190 Antimachus Thom-Nym, Gund., Peak., and Tanite.

8 184 Emeratides—Bactriana, Ariana, besides Patalone, Syrostrena, and Larice, as well as Nyas, Gund., Peak., and Tuxila.

 173 Antimachus Nikephorus—Nyas, Gaud., Peuk., and Taxila, contemporarily with Entratidae' retention of the rest of his dominious.

10 165 Philezenes - succeeds to Antimachus Nikephoros' kingdom

11 Nicias ditto, with the exception of Taxila.

12 165 Apollodatus succeeds Encrutifus in Ariane, as well as Pata., Syr., Lar.

13 Zoilins

14 Diomedia follow Apollodobas in Ariana alone.

15 Dienysius

16 159 Lysiss—succeeds these in Paropamiende, and obtains Nicine dominion of Nym, Gand., and Perk.; while Mithridates I. possesses himself of Arians, having previously gained Margians from Enerotides.

TO.	B.C.	
17	150	Antialeldus-succeeds to Lysins' kingdom.
18		Amyntas follow Antialcidas
19		Archebius 10000 Autharisms.
20	161-1	40 Menunder-reigns in Puropamisadas, Nyas, Gund., Peak., Taxile, Por. Reg., Outb., Putalone, Syx., Lar.
21	185	Strate—succeeds, with the exception of the countries of Pata., Syr., Lar., which full to Manan.
22		Hippostralus follow Strate.
28		Telephus
24	126	Hernaus-rules over Purop., Nyss, Gand., Peuk. (The Su-Sakus obtain Aria, Drungia, and Arash., from the Purthinns).
25		Manus-has Taxila, Por. Reg., Cath., Pata., Syr., Lar.
26	105	Kadphines - (Fach) - takes passession of Hernanus' kingdom, and Taxila from Mussia (Kazala Kadaphina)
27		Voncese
28		Spalygie Paropamisadas
20		Spaliries
20	110	Azas-succeeds Marzes, obtaining also, in 90 a.c., Syea, Gand., and Peak.
31	80	Arilless - succeeds Area to the three latter, adding Tuzila, and the Paro- pemiands.
12	80	The Seter Megas obtains the densitions of Arms, and subsequently those of Anilism.
	60	The Yucki again possess Parop., Nysa, and Tax., etc.
33.	26	Gondopharus—reigns in Ariana.
34		Abdagases (and Signakes or Adiantgans)-ditto in ditto, less the Parep-
	A-76	The state of the s
3.5	44	Areaces (Ornospades or Orthomandia) -ditto, ditto.
28	107	Pakores Monnesses -chita, ditta (Hibblech in Bactriana. [36: Orthagues.]
	207	Artemon-in Aria, Drazgia, Arudonia.
		Sessentiane. *Numismetic Chronicle, vol. viii., p. 175 (1863).

No. 4

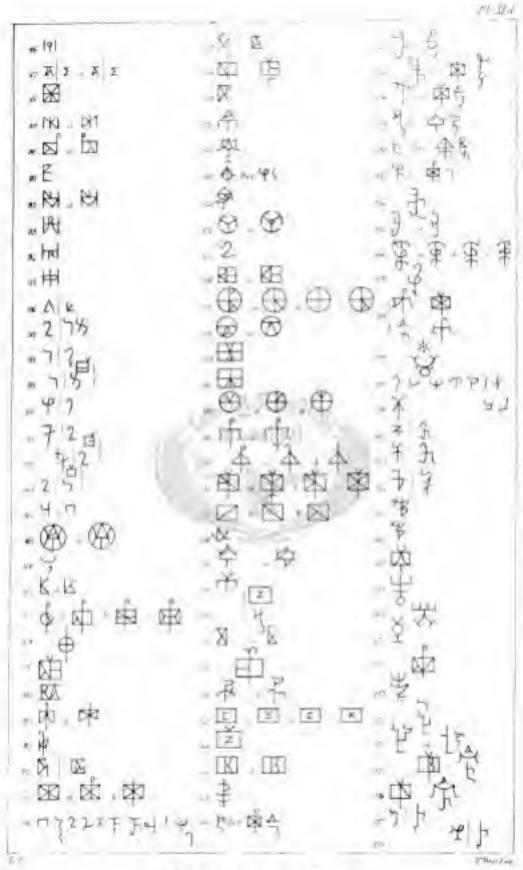
M. Lassen's Line.

DIE GREENISCH-BARTRISCHES UND GRIECHISCH INDISCHEN KÖNIGE.

1. DER GREMMINGER-BARTRISCHEN.



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Ni *	****** A - A - A	
	N AJAC A	N. Al







2. Drn Garnensen-Ismusenza Könjun

Apoilodous, nach 160.
Zoilos und Dionysion.
Menandros, seit 144.
Struton, um 124.
Hippostrates, nach 114.
Diomodes, Nikias, Telephos, swischen 114 u. 160.
Hermaios, 100—85.

No. 5.

DIE INDOSETTHINGEN PED PARTRIMEN KÖNIGE.

1. CARA-Körren.

Mayos, usch 120 vor Chr G. Azilizes, um 100. Azes, seit 95. Spalivisos, um 60. Voncess, kurz vor u. nach Chr. G. Spalygie. Yndopherres, um. 100. Abdagassa, von 40 bis 30.

2. Гентент-Комок.

Kadphises I., nach 36 vor Chr. G. Kadaphes, und seine namenlesen Nachdelger atwa bis 80 v. Chr. G. Kadphises II., seit 24 vor Chr. G., his etwa 1.

2. Touceuxa-Kinton.

Hushku oder Oerki, von etwa 10 war bis 5 nach Chr. G. Gushka, bis 10 nach Chr. G. Kanishka, oder Kaneski, bis so. Balan, bis 46. Oer Kanarsuo, bis 50.

*Indische Alterthumakunde, vol. ii., p. xxiv., published 1852;

IV.—As I am compelled to avoid entering upon any each comprehensive revision of the general subject as should justify my attempting to recast the order of succession of the Greek princes of Bactria and Northern India, it becomes necessary that I should adopt, for the moment, some one of the lists above quoted, to serve as a basis for the arrangement of the annexed catalogue. I have therefore selected for the purpose that of Major Cunningham, as being more full in names, more facile of reference, and as grounded upon an examination of by far the most ample series of original specimens.

This outline, it will be seen, was published many years ago, and I have no doubt its author would now be prepared to subject it to extensive modifications. I shall perhaps be pardoned, therefore, for anticipating some of the more obviously needed emendations. In regard to the tables of menograms which accompany this catalogue (pls. xi.e and xi.d), it may be necessary to explain that a degree of difficulty has been experienced in the allocation of the several varieties of these enigmatical compounds. Some examples, that depart but slightly from combinations previously entered, have been inserted in

the plates independently in their medified form, in order to avoid the risk of the emission of what might eventually prove to be a separate symbol. And, further, some few monograms have been intentionally repeated, with a view to bring more distinctly together the complete group pertaining to a given monorch.

The perpendicular lines dividing the associate ciphers (60 at acq.) are inserted to mark the position in the field of the piece, in reference

to the main device, occupied by each.

I. Desperra.

1. -Gold.

Owenes: - Head of the king, with fillet, to the right:

Ravanse :- Erect figure of Jupitor, in the act of burling the thunderbolt; Ægis on the left arm; eagle in front of the left log; a chaplet in the field; no measurem.

LEGEND :- BARIARDE ABIACTOY

R. Rechette, "Jour. des Sev.;" 'Bibliothèque Impériale, Captain Hay. (This last most perfect coin has, in addition to the other symbols, a speer head in the field under the left arm); 'Ariana-Antique,' p. 218; 'Tribur de Numismerique,' pl. 1881, 4.1

 Tetrudrachus. Similar types (Conningham, 'Numisumie Chronicle,' vol. viii., p. 178, and appablished plates).

Monogram, No. 1, with X. The chaplet is emitted.

*)-Druchme. Similar types.

M. de Barthelemei, * Kaltzes Zeitschrift, 1842, p. 75, pl. fig. 1.

Monogram, No. 3, with C.o.; chaplet, etc.

Mr. Stoker' and British Museum Coine, Monograms indistinct.

Major Cunningham further sites as his table the Monogram No. 2* from the
Coins of Diodotas (*Num. Chron., *vol. von., p. 179).

II. Акаупостав.

1.-Tetradrachma (weight, 4 drachmas 14 grains Fr.)

Onvenue :- Head, with fillet, to the right. Aleastor Entures.

REVENER: - Erect figure of Jupiter, as in Diedetes' roins.

LEGEND :- BAZIARTONTOZ AFAROKAROTZ AIKAIOT.

Monogram, No. 5 (with chaplet).

M. de Bartheloumer, 'Kalmes Zeitschrift,' 1843, pl. iii., Eg. 2, p. 67.
An equally perfect coin of similar types, in the possession of Mr. J. Gibbs, Bombay Civil Service, has the managram No. 4. The piece in question is stated to weigh 270 grains.

^{&#}x27;Coins bearing similar devises, from the mint of Antiochus II., may be referred to in pl. ii., fig. I. p. 25, vol. i. of this work; Burnan's 'Bokhka', pl. iii., fig. 8; 'Ariana Antiqua,' p. 219; 'Trisor de Numissantiqua,' lixii., 2.—Managrama: Mr. Olbba' coin (Tetrad.) A: (see pl. xiii., fig. I of this work); 'Bibliothèque Impériale,' B.; Captain Hay (Druchma) C; Mr. Freres' coin (Druchma) C. o associated with D.

 Tetradruchma. Plate siii., fig. 2. (These leading numbers refer, in each case, to the plates inserted in this work.)

Ouvenez :- Head of king.

REVERSE:- Jupiter, with the left hand resting on a spear, and the right holding a figure of Diana Lucifors.

LEGENU -BAZIATUZ AFARNKADUTZ.

Managram, No. 5. Mr. Gibbs.

'Ariana Antiqua,' pl. vl., fig. 1; 'Jour. des Sav.,' 1836, pl. ii., fig. 1; 'Trinor de Numismatique,' laxiv.

s)-Drachma. Similar types.

Managram, No. 9.

Jour. des Suv., June, 1854, pl. fig. 2. 'Grotefond' (1829), p. 20. 'Arisma Antiqua,' pl. vi., fig. 4. 'Bild. Imp.,' Monogram, No. 5.

3. Drachma.

Ouvenon: - Head of Bayelius, to the right:

Revenue: - Panther, to the right, with a bunch of gropes in his fore-pow.

LEGIED :- BAZIARDE AFAGURARITE

No Managram.

'Jeur des Sav.', 1834, pl. fig. 1 'Ariana Antiqua,' pl. ri., fig. 6.
'Trèsse de Numiumatique,' lexiv., 2.

4.— Cupper. Types at in No. 2, with the enception that the space which appears doubtfully on the abverse of the lowers place is here distinct and positive, while, in lies of the branch of grapes, a small vine is intendeded in front of the positive on the reverse.

Monogram, No. 6. APaxwelle (?)

"Arisma Artiques," pl. vs., fig. a. "Norm Jour.", vol. vii., pl. iii., 30, Mr. G. H. Freeling, Bengul Civil Service, has a cost (in adver) from an apparently genome original of this colonge, which bears the detected letters at in place of a monageme.

5.- il Copper. Plate xxville, fig. 0.

Osvense: - Further to the right.

LEGRED -BARIARGE APAGEARA

Buvensu .- Bucchante.

Leanen, in Indian Pall, MA C + a. d. Aprilableyon.

Ariana Antique, pl. vi., figs. 7, 8, 9.; and 'Jour, des Sav.,' 1835, pl. i., fig. 1,

Some varieties of these coins deploy mint rocks or letters on the right of the Barchante. The character is smally formed like a modern Hebrew 2 5; it may be either an Arian 7 d or a Phil 2 or; at times, again, it takes the form of an Arian 7 to or re. An analogous piece, in the British Museum, exhibits the Greek letters 2H, on the observe

III. PASSALINE.

1 .- (Debased silver (unpublished).

Onvense :- Type similar to No. 1. Agathooles-

REVERSE :- Ditto.

LEGEND -BASIAEDS HANTAARONTO.

No monogram Mr. H. Busucton, Bengal Civil Service.

Copper. Pl. xxviii. fig. 8. [Types similar to No. 5. Aguthocles.]
 Onygan: —Panther.

LEGEND -BAZIAZOT HANTAAZONTEL

Rayman :- Bucchante.

Lucano, in Indian Phil, b. A J & & Pentalspara.

Monogram: -3, 7, etc. 'Ariana Antiqua,' pl. vi. fig. 11,

IV. EUTRYDINUS.

1. - Gold

Onvenau :- Head of king to the right, with fillet.

REVENUE: -- Heroules seated on a rock, resting his club on a pile of stones.

LEGEND .-- GAZIARDZ ETSTAHMOT.

Monogram, No. 7, according to 'Ariana Antiqua,' pl. i., fig. 1, ; quoted from Pellerin, 'Additions and Médailles des Bois,' p. 95. The 'Bild Imp.' coin, to my perception, has the monogram copied under No. 7 a.

2.—Tetradrachma. Pl. ii., fig. 2.

Osvensn: -As in No. 1.

HEVERSE :- Hercules, ets., with his club resting on his right knee.

Monegrams, Nos. 9, 8a, Aa, 9.

'Ariana Antique,' pl. i., Sgs. 0, 2, 4. ' Jour. des Sav.,' 1834, pl. fig. 2; 1835, pl. i., Sg. 2.

*)-Drachma, similar types Capt. Hay. Monogram, Sa.

Variant, pl. xith fig. 1. Reverse, type as in gold coin. Monogram, No. 10.

'Jour. des Sar.,' 1834, pl. fig. 2; Monogram, No. 11.

Other coins have Monograms, Nov. 12, A4, As, As, and A4, "Arisus Antique," pl. xxi. fig. 1, has 12 with A4.

*)-Drochma, similar types 'Arisma Antiqua,' pl. axi., fig. 2.

3.-Tetrodrachma. Pl. xxxi, J. and pl. alii , Sqs. 2, 3,3

Ourman .- Head of King.

REVENEZ -- Horoules standing, to the front; loud encircled with a chaplet; on the left arm see the club and lion's skin; right band extended.

Monogram, No. 5. 'Ariana Autique,' pl. 1., fig. 11. Monogram & a.

Variety. Other coins vary the reverse device, inserench as the extended right hand holds a second chapter. British Museum, Monogram, No. 84 (weight, 260.4 gr.) Brereton ditto (weight, 258.5 gr.)

*)-Drasiuma, as No. 3 variety. 'Arises Antique,' pl. i., fig. 12; 'Jour. des Sav.,' 1825, pl. i., fig. 3; British Museum, plated evin, Monogram 5 ?

4. - Didruchnus.

ONVERSE - Laurelled head of Apollo to the left.

REVERSE :- Triped. H. Hachette, 'Jour. des Ser.,' Dec. 1838, p. 741.

1 [Where the legends are emitted, they are to be understood to be identical with

those cited on the latest occasion.]

2 [I have had the obverses of the two seins, intelly asquired by Messes. Prere and Brereton, angraved, for the purpose of enabling numiconation to compare the purpose, as here rendered, with the style of likewess prevealing on classes 1 and 2, an impression existing among our most practiced antiquarians that the contrasting dies represent the basis of two independent moments, as opposed to the idea of a likewess of one and the same person at different periods of his life.]

A .- Copper I'l spril tg. 4.

Onverse .- Boarded head, to the right

Revenue: -Horse, from "Arisma Antique," pl. i., figs. 13, 14, 15

6.- Copper (small)

Opvense - Head indistingt.

Revenue: - Brest figure of Apollo to the left, with arrow in the right and how in the left hand. "Arizon Antiqua," pl. ii., fig. 1.

7. - Chapper.

Ouveaux - Head on in No. 4

Reverse:-Triped.

Monogram, No. &c. Captain Ray, 'Tresus de Nominmatique,' lexii 11; also 'Kohler,' pl. i. 3.

V. DEMETATES.

1.-Tetrodrachma. Head of king with fillet, to the right.

Ravanan .- Minerya armed, to the front.

LOURNE - BAXIAGES ARMHTFIFT.

Monogram, No. 13, with the letter & above the figure.

*Jour. du Sav., Luis (Horigherger's min), vol. i., p. 4, 1525; reengraved in "Arima Antique," pl. 11, fig. 3. "Très. de Num.," hade 14.

2 .- Tetrudeachusa.

Owerant - Head of hing, to the right, with believe furblessed like an elephant's head.

Revenue: However, the No. 3, Fathydomus' decime, but his right hand is appraised in the set of placing the chapter on his brow.

LEGEND :- BAYLANDS ANNETPOT.

Mr. Gibbs' cols, assessmen, No. 5. (Kibber, p. 221.

Monogram, No. 8a. B. Hawkeste, "Jour. dec. Suv.", 1838, p. 743, B.M. celan, managrams, No. 5 (weight, 202 5 grs.), Sa. and 14 (inferior execution, weight, 236 grs.)

- *)—Obeli. Plate zili., fig. 2. Similar derices. "Ariana Antiqua," pl. II., fig. 6. Menogram, 2. M. Basul Rochette notion a Triebolas of this type, "Jour. des Sec.", Denz. Supp. 10. "Trisor Numinastique," p. 140. Other manageures, 6A, 6, and 8c.
- *)—No. 4, pl. ii., 'Ariana Antique,' has the truk of the king bare. A second unpublished coin II. I. II. has the supergram No. 15 (Og).

3.-O Copper.

OUVERAB :- Head of Hereules.

REVERSE :- Apollo (7)

Monogram, No. 15.

"Ariane Antique," pl. xxi., fig. 3.

I [I have not been able to obtain a sight of Köhler's work; I quote his coins from Gretefond, 'Die Mussen der Könige von Bactrien,' 1639. The original stems to have appeared under the following fath: 'Köhler, Medailles gravques de Rois de la Bactriano, du Bosphore,' etc. Potenhourg, 1822, Sec. 'Supplément à la suite des Méd. des Rois de la Boctriane,' shif, 1822.]

4. -Coppor.

Opvanen as No. 3.

Revence: - Hercules; the right arm is upraised towards the head of the figure.

Cunningham, 'Jour. As. Soc. Beng.', vol. xi., pl. fig. 1.

5.- Copper.

Ouvence - Elephant's head. Rayunan : - The Cadacens.

* Jour. As. Soc. Beng.', vol. iz., p. 69; and vol. zi., pl. 6g. 2.

VI. RELIOCIES.

1.-Tetradrachma.

Onvenen: - Head of king to the right.

REFERENCE .- Jove, standing to the front, with spear and thunderbolt.

LEGEND: - BARLARGE ALKADOT HASOKAROTE.

Gestefend, p. 30, queting 'Catalogue d'Ennery,' p. 40.)
'Tréser de Numismatique,' luxii., 15.

Monogram, No. 16. 'Ariena Antique,' pl. ii., fig. 6,

British Moscours soins, monograms, Nos. 11s, B (weight of piece, 250-6 grs.)

Mr. Gibbs' soin, monogram 17. Mr. Brersten, ditts. Lady Sale, No. 16.

A cast in the possession of Mr. Freeling has the letters FMF (No. 19) below the word Alkalot on the reverse.

- *).-Drachma, similar types. *Bibl. Imp. Monogram, 11A.
- 2 .- Tetradrachma.

Osymus .- Holmstel head.

Revenue .- Jupiter seated | the right hand holding a small figure of victory, the

LEGRED .- SARIAFOR AIKAIST MAISEARSON.

Capt. Hay

3 .- O Plated copper (Druchma !)

Ouvenou: —Helmsted bond, closely resembling that of Enkratides, within a marginal border of alternate drops and bonds.

Ravenus :- Jave mased.

LEGEND (bjundered) -BARIAGES ALRASOT IAIORAGETZ.

Mr. E. C. Bayloy; also, Capt. Hay.

*) - Drachma. Similar types.

Monogram D.

Capt. Hay.

4. - Hemidrashma.

Onvenue .- Head of king.

LEHEND -BASTARGE AIRABIT HABIKABITE

REVERSE:-Jove, as above, No. 1.

LIGHTON, in Bactrian-Phil or Arian characters, Mcharginso Dhromikasa Heliyakreyasa

'Arisms Antique,' pl. axi., fig. 8, Monogram Z.

The orthography of the name in the Arian varies at times to Helipalresons and Hilpalreyons; the former occurs on a soin in the E. I. H., with the monogram No. 8s. Other hemidrachman have monograms No. 20 and 20 with 2.

^{1 [&#}x27;Cutalogue des Médailles du Cabinet.' de M. d'Eunery. Paris, 1788.]

5.- Copper. Pl. zlini., fig. 7.

Ouvener .- Head.

Rayanau .- Elophant to the left.

'Ariana Antique,' pl. 11., fig. 7, monogram Z. Other monograms, Non Sa. E. I. C. cein, 21. Mr. Frere, monogram No. 22.

These coins also differ occasionally in the expression of the Arian version of the name, exhibiting it as Helsyslveyers and Helipakrause.

6.- Copper. Plate xicis., 62. M. As No. 3, but the alophant on the reverse is to the right.

7.- II Coppur.

Onvenes - Elophant, to the right.

Revenue -Buil.

Capt. Hay.

8 .- Copper Plate axviil, fig. 4. Dogesded type.

OBVERSU -Head.

Bayanan :- Figure as in No. 1. Legends corrupt and imported.

9.—Copper Plate xv., figs. 12, 15, 14. Degraded type.

ONVERSE :- Bond.

Ravenan -Horn, free, to the laft. Legends serrupt and imperfect.

VII. ANTERACTOR OF IZ

1.—Tetradrachma.* (Cast.)

Ouvross :- Head with fillet.

LEGISCO .- Alphores MOTHPON.

Bayeaun .- Standlag figure of Jupiter, so in the gold eninage of Diodetue

LEGISID -BARRAETONTOR ANTIMAXOT BEOT!

Minougram, No. 12.

Copt. Hay. Mr. Beereson has a similar forgery with the same SHOROGIVANA.

2. - Tetradruchma.

Ouvenan:-Head of king, to the right, with Camen.

REVENUE :- Neptune, to the front, with trident and pulm-branch.

LUCKED:-- HANABAS DEET ANTIMAXIT.

"Kähler," i. 10, reproduced by "Misamit," sup. viii. 46tl.

Monogram, No. 23. British Museum rooms, menogram No. 6s and 23. Lady Sale and Mr. Brereton, also No. 23.

*)-Drachma. British Museum, menogram No. 25.

1 [The Arian legends, like the Greek, are ordinarily omitted after our insertion: where not otherwise noted, therefore, the succeeding coins are to be understood to

bear similar epigraphs.]

I [I am indebted to Mr. E. C. Bayley, of the Bongol Civil Service, for most of these notices of Captain W. B. Hay's roins. I myself have soon only the silver pieces of that officer's valuable collection.]

It is needless to say that this important piece, which, though a cast, is evidently taken from a genuine antique, necessitates the promotion of Antimachus Theos to a close proximity, if not to a contemporaneous existence, with the founder of the Buctrian independence. This cein was not known in England when Art. iii., vol. i., went to press.]

 Hentidrachura (31-7 grs.) British Messum esin, mesogram No. 9a. A second, menogram No. 23.

Major Canningham ("Jour. As. Soc. Beng.," vol. in., p. 872) describes a "plated" hemidraches of Automobus Theor. with the monogram "Xo."

*).-Obohus.

"Ariana Antiqua," pl. axi., fig. 12. Monogram Sc.

VIII EUGRATIDES.

L-Tetralrachma. Fl. alii., fig. 2.

REVENSE .- Bure head of the king, with fillet.

REVERSE -Apollo, bow in the left, and arrow in the right hand.

LEGEND - BAZIAGAZ KTKFATIAGT.

'Köhler,' 'Ariana Autiqua,' pl. ill., fig. 4, monogram No. Go.)

Lady Sale, some memogram. See also 'Jene, des Sav.,' Sept., 1855, i. 5; 'Minnet,' sup. viii.; British Museum coins, recongrams Nos. 10, 24, 25; 'Bib. Imp.,' No. 26; M. le Due de Luynes, No. 5c.

- *) -- Druchma. Similar types, Pl. gill. 6. General Pax, monogram 29.
- 2 -Obolus. Plate xxxii., 5g. 16

Onvenue .- Bare head of king.

Revenue: -Cape and pulm-branches of Dissecri. Some legend as No 1. Monograms, Nos. Sa. 13a, 17, 38, 18a.

3. -Obslut.

Opversor :- Helmeted head of king.

HEVERAR :- As in No. 2.

Arisma Antiqua, pl. iii., fig. 6, Gen. For, monogram No. 13c. E. I. H., 13c, M. and 19a. British Museum, manag. 12—4c. N.

4 -Tetradrachma

Onvenan .- Bure head of king, to the right, with fillet.

REVENSE .- Dioseurt, charging.

British Mussom. Monogram Sa.

*]-Draclma, Pi, xiii, fig. 8. Similar types.

'Jour. des Sur.,' 1836, ii., 2. 'Trée de Num.,' pl. laxiii. fig. 2. B.L., monogram 11.

Tetradrachma. Pl. alii, Sg. 4, p. 126. (Weight of E. I. H. coin, with suspending loop, 250-7 gra.)

ORVERSE :- Helmsted head of king.

LEGEND :- BARRATTA NEFAT EYEPATIANT

REVERSE .- Male and female heads, uncovered and unadorned with fillets.

LEGEND :- HAIOKAROYT KAI AAOAIKHY.

Monogram, No. 13e. 'Jour. As. Soc. Beng.,' vol. vii., pl. xxvii., fig. 1. Reengrand in 'Arixna Antiqua,' pl. xxi., fig. 7, from the original coin.

Col. Sykon' east, from a possibly genuine soin of this class, and a second reproduction from the same or a similar original, in the possession of Mr. Brereton, both have the monogram No. Se.

¹ [Where the managram faccinalise in the plates differ from the published specimens, it must be understood that my copy has been taken snew from the original piece, and does not follow the engraving, sited for the more illustration of the numberatio classification.]

 Totradetchma. Plate Kill., Eg. 5. (Weight of selected specimens in the British Museum, 258 and 239 grains.)

Owegues: - Holmond head, to the right.

REVERSET: - Diosenti, charging.

LIGHTS :- BANIARGE METALOY EYEPATIANY.

'Ariana Antique,' pt. iii., figs. 1, 2, 3. Monagrams 13a, 27, 29.
British Museum. Monagrams, Nov. 4c, 11s, 13a, 29, 50, 31. Lady Sale, No. 28s.
B. I. Monagrams, M. 29. Mr. Bayley. Monagram, 2 with HT in the field.
Copt. Robinson. Monagrams 13o 28s.

*)—Druchma, *Jour des Sax., 1834, pl. lig. 5 1835, pl. i., fig. 6. Frésde Num., Prairie British Massaum, managemen N. H.I. 286. Hay, ée.

7 -Tetrudrachma.

Onvicing.—Helmeted head of the king, in the left, with a portion of the heatdisplayed; the right arm round in the set of during a javelin.

Haverer - Dimerri.

LEGENS -- BARIARDS METAAUT ETERATIAUT

Meangram #4 (*) 'Kāhler,' i. ft. 'Três de Num.,' pl. laxili , fig. 7.

8.- C Copper.

Operant: - Hard of Apollo to the right-

Revenue :- Horse, tore, to the last

Linear: -BAZIAKGA EFEPATIANT, "Arlina Antiqua," pl. ifi., 8g. 7.

Copper: Pt siti, fig. 7. Of similar devices and legends to No. 6.
 Ariana Antique, pt. iti., fig. 8. min.gram, No. 21. Mr. Bayley, No. 40.

10 -C Copper

Onvenue .- Helmand hand, to the left, with juvilin-

Revenue :- Discount

LIMBURY - BARLARGE MERARIT ETERATION.

*Köhler. 'Missand, vol. 470. British Museum, menogram 32.

11.— Copper. Size, 3. British Mineson.
Ouvenes: —Helmeted head in the left.
Revenue: —A single horseman at the charge.

12 - D Copper Small coin. Fl. xxxii., fg. 11.

Ouvenen: - Bure head of king to the right.

LEGEND - BAZIARGE METAANY ETERATION

REVENUE :- Caps and pulm-leaves of the Dioscuri.

LEGISTO IN ARIAN: - Mchirques Entrotidues.

"Ariana Antiqua," pl. iii., fig. 12. "Teles. de Num.," Iralii. 13.

13 .- Copper. Fl. xiii., figs. 8-10.

Onvense :- Helmeted head, as in No. 6.

REVERSE - Diasturi.

LEGISCO IN ARIAN :- Mikelesioon Ethrettidese.

Menograms, 17e, 21, 27, 25e, 31 with E, 33, 35e, 34, 34e, 35, 36, 36, 37, 28, 39, 41, 43, 44, 45.

14 .- Copper.

Osyspan -Helmsted head to the right.

REVENSE:—Sented figure to the left, with a small elephant at the side (as in Antialkides' coin, No. 1).

Languer indistinct.

'Arisma Antique,' pl iii., fig. 11.

15 .- Copper.

Onvense: - Helmeted head of king to the left, with javelin.

Revenes :- A winged figure of Victory to the right, with chaplet and palm branch.

Lucrus defective. 'Arians Antiqua,' pl. xxi., fig. 5, monogram 13a.

16.-□ Chapper.

Onvenan: - Helmstod boad of king to the right. Ravenan: - Victory to the left, extending a chaplet.

ARIAN LEGENT: - (Maharajana) Rajadirajana Eukratidam.

Ariana Antique, pl. xxi., 6g. 6, and British Museum, menogram 46a. Mr. Bayley, usinogram, 46.

Additional monograms of Europatides, Nos. Sc, 27s, 836, 42.

ІХ. Антивасить минфоред.

1. - Hemidrachma, Plate xv., fig. 1.

ORYGIAN - Winged Squra of Victory, in the left, with palm branch in her right, and filet in her left hand.

LEGEND: - BARLARDE NIKHBOPOT ANTHRAXOT.

REVENUE :- King on hooseback, to the right.

ARIAN LEGENS: - Miliargious jayadharden Antimithusa.

Arisna Antiqua, pl. ii., fig. 16.

Prof. Wilson was under the impression that all those evins here the same monograms, Nos. 31s ('Ariana Antiqua,' 274); they are new found to include the symbols classed under the following numbers, 27, 31, 46, and 46s.

2.- II Copper. Pl. xv., 4.

Ouvenant .- Denseter, to the front; cormucopia on her left arm. Legend imperfect,

Exvense: - Winged figure of Victory, to the left.

Autan Lauren: - Meherufess . . . datimahlara.

"Arlana Antiqua, pl. II., fig. 16. Monogram 2

3.- Copper.

Ouvease :- The skin of an animal (?)

LEGEND: -BAZIAEGZ NIER-POT ANTIMEN.

Reverse:-Wreath and palm-branch.

ARIAN Lauren .- Militariess . . . Astinablasa.

'Ariana Antique,' pl. zgi., fig. 11. Monogram 47.

A nilver cast of a genuine sein, in the possession of Mr. Bayley, definitely determines the attribution of this piece, contributing the full counterpart names as inserted above. It bears the monogram No. 27.1

^{1 [}See also Cunningham, 'Jour. As. Soc. Beng.,' April, 1840, p. 392.]

X. PHYLOXENS.

Didruchma, Plate av., fig. 1.

Opymass: - Halmond head of king, to the right-

LEGEND .- BAZIAGON ANDRHTOT GIANZENOT.

REVENSE: - Horoman with belieut, as on the oliverse of Autimachus Nikephorus'

Annas Lauren .- Miliarajone Apoplietana Pileorean.

Jour. des. Sav., 1680, ii., 5. 'Ariana Antiqua,' pl. ii., fig. 17.

Monogram No. 22a.

II (midrachum, of similar devices. Menograma No. 484, with Z.

Mr. Buyley. b)-c; Obolos (*). Types and legends as above. The Arisu usus is written, Pholosicau. Monogram No. 25e Cuptain Bobinson.

Mr. From has a silver coat of an apparently authentic didrachma, which supplies as with a variety of this shown type. The king's head is here successful, On the reverse, traces of the immegram 5 to are visible. The Arian transcript. of the name communers with the letter Phi-

2.- c) Howidrashma.

Ouverage :- Bure hand of know with Miles, to the right. Legend as above.

REVENUE ;- Device and h good area No. 1.

Monogram No. 48s, with X. "Action Antique," pl. 431., fig. 12. Colonel Abbott. Managrams, No. 22, 8.

3,-11 Copper. Plate iii., figs. 6, 7; plate av., fig. 2.

Onvenue :- Demotor, with the orderey Great legend.

REVERSE - Hungar bull, with the soul Arms bused; the initial of the name to publifurnity expressed by Pr or Phi.

Josep, dos. Sav., 1880, n., c. "Arison Antique," pl. n. fig. 18. Monogram Nov. 48s, 48s with 2 on systems, 49, 49, 50. R. L. 51 (7) with a Bactrian 's r on reverse. Mr. Brereton. Menograms 23s, with an Arian v on revenue, the and 455, with 2 on revenue.

4. - D Copper.

Ogwann: - Crowned figure, with a long spour.

LEGIEND: - WAZIAEGE ANIKHTUT PLACEENUT.

REVERSE: - A figure of Victory.

Captain Bay.

X". ARZESTONECS.

1.-Homideschma.

2.- Сурраг.

Onvason: - Erect figure, with the right arm upcaired.

LEGEND :- BAZIAEGE ANTENNE SPREMIAGEN REVERSE :- Bull, as in Philosomes' receptor today.

ARIAN Lauren: - (M) idniverse Aprelianic (se A) filesidarum). Mr. Bayloy,

These legends have been completed from a more perfect soin figured and assigned by Major Cunningham ('Jour. As Soc. Bong,' 1854, p. 055).

Mr. Brereton deposes to the discovery of a coin of this description, which has passed from his ewn possession to that of Major Carolingham. He is under the impression that the types are—Obverse. King's head. Reverse: Minorys Premachos.]

I conclude that this Artemislorus is the menarch styled Artemon in Major Cunningham's list above cited; but if so, the style and fabric of his coinage must very materially after his assumed date and position in the general list as determined by that numismatist.

XI. NICTAR.

1 .- Copper. Plate xiii., fig. d.

Onvene :- Head of king, to the right.

LEGENT :- BUCIARUE CUTHFOR NIKIW.

REVERSE: - Horseman, at in No. 1, Philoreson.

ARIAN Lengan: - Milhorgiana Tradeline . . KIANA

Calonel T. Bush. See also Cuttingham, Jour. As. Soc. Beng., vol. 4i., p. 136.

XII. APOLEODOTOS.

1 .- O Homileschms. Plats III., fig. 4; alor pl. xiv., fig. 4.

Ouvenue - Head of king.

LEGEND :- BAZIARDE ZOTHPOZ KAI SLAGHATOPOZ AHOAAGAOTOT.

Rayanse ;- Thouselies Minneys to the loft.

ARIAN LIGHTO: - Milliorglass Tradative Apalestature.

Monograms, Nos. 38s, 38s, 51, 51s, 51s, 515, 52, 53.

Ariana Antiqua, pl. iv., fig. 12.

2 .- C Hemidrachma, Plate ziv., 6g. 8.

Ouvenes - Elephant.

TOTOGORD :- BARRARDE EDRAFICA ADVANCAUTOT.

REVERSE :- Humped bull

Legend as in No. 1. 'Ariana Antiqua,' pl. iv., fig. 14.
Monograms 225, and the entire value, together with the combinations indicuted under cuch number, from 54 to 50, both inclusive.

3.- Hemistruckers. Types and togesda as No. 2.

'Aruna Autiqua,' pl. iv., fig. 16.

The Arian orthography of the name of Apalicalema varies considerably in the different specimens of his extensive mintages. I notice in some instances a dot at the foot of the initial a, which also whose constitutes the sign of the long sound of that rowel. This is the solitary occasion upon which I have observed its use in defining more precisely the power of the ordinary 7 initial. And, however little, to our ideas, the exact definition of the phonetic elements of the name may require the bard a in this place, we can scarcely understand the sign as purporting anything else, especially when we observe the lax method of insertion or emission of the same quantitive mark in other words. The antequodicinate d is used inciderently in its simple form, or with the shiftingsal horizontal fact streks, the process import of which is yet codetermined; and, finally, the d occurs in its normal shape, with the dot of a following hard s. The penultimate is also subject to medication, nearly appearing under the form of the proper $\gamma = t$, but at times hearing the fact stroke ordinarily reserved to distinguish the $\gamma = t$, of assimilate outline; but to show the irregularities practised in this respect, this extraneous mack is added to the t in the name, while on the same coin the special definition is rightly conerved to distinguish the $\gamma = t$ from the $\gamma = t$ in Traderius. It must be added, however, that in some instances the superfluous foot stroke, in the penultimate of applications takes the sum of an equally needless bard a medial.]

4.- Copper. Small coin.

Onvense: - Figure of Apollo, with how and arrow, to the right.

Legend as in No. 1.

HEVERSE:—Tripod. Legend as usual. Monogram, No. 38s.
Captain Robinson. Mr. Breesten, monogram 37 (1)

5 .- Copper. Large min. Plate ziv., fig. 6.

Onvenes :- Apollo, with arrow, to the right. Legend as in No. 2.

REVENUE :- Tripod. Legend as in No. 1.

"Ariana Antiqua," pl. iv., fig. 16. ' Jour. des Sav.,' 1834, pl. fig. 6.

Variant. O Copper. Coin of inferior execution. Legends arranged on three vides of a square, instead of in the usual marginal circle.

Bactrian monogram, pi, with a or a

Cunningham, 'Jour. As. Soc. Beng.,' vol. it., p. 867.

 □ Copper. Similar devices and legends to No. 5. Monograms 63, 64.

7.- Copper Plate xiv., fig. 7.

Onvenue .- Apollo to the front, with the bow in the left and the arrow in the right hand. Legend as usual.

Envenor: Triped. Legend as mond. 'Jour des Sav.,' 1834, i. 7.

Variante. Small coin. Pl. xiv., fig. 8; also 'Ariana Antiqua,' pl. iv. fige.

17, 18, and small coin No. 19.

Monograms Nos. 6, 8a, 21, 52a, 57, and the cetter mits 65-75.

8 .- Copper. Middle size,

OBVERGE .- Figure of Apollo standing to the left, clothed in the amazyris, with chicago behind, a quiver at his back, an arrow in his right hand, his left resting on his bow; itselwed in a frame of chicag globules, BARIAROZ BARITA. ARRAAGOTOT.

BARIAEOR BA [†] Allean-actor.'

Revenues :- 'Triped; in the field, a symbol which means to be a military energy.'

Arianian inscription imperfect [Apalestosa].

Ariana Antiqua, 291, quoting Jour. des Sav., Dec. 1838, p. 752.

B. I. Monogram 288. Small coin, 35a. Col. Bush. Arian Monogram, No. 76.

0 .- Copper. Small coin. Plate alli, fig. 6. Unique.

Onvices .- Apollo as in No. 8. Legend altogether wanting.

Haveane: - Symbol figured in the plate.

ARIAN LEGRED :- Maharujasa Tradatasa Apaladatasa. Col. T. Buth.

10,- Copper. Small coin.

ORYNDAR :- Bull.

REVENSEN:-Tripod, surrounded by a based margin. No Legends. B.I.

11 .- D Copper (middle size), indifferent execution.

Opvesse: - Apollo (?) seeled, to the right, a bow in left hand.

Raygasa: Tripod, within a frame. Legend imperiect, . . . poledates (?).

Mr. E. C. Bayley.

XIII. ZOILES.

L.-Hemidrachma.

Onvenue: - Head of king, to the right, with fillet.

LEGEND :- BAXIARDE AIRADOT ZOLAGT.

Revenue:--Hercules, as in Dometrius' coins, but the right hand holding the chaples is not uponised.

ARLAN LANGUE .- Middreiter Dhrumbara Phailana.

Monogram, No. 30:

Lady Houlfort, No. 31. Cuptain Hobinson, No. 46. Colonel Abbott, No. 78. Mr. Baylon, No. 79.

2. - Hemidrachma.) These ceins have a great similitude, in their dis execution, to the small Philopator coins of Apellodotus.

ORVERSE :- As No. 1.

LEGEND: - BARLANDE ZOTUPOR ZOLAOY

Revenue -Thrasalian Minerya-

ARLAS Lancara :- Milhirajum Trudition Diction. Monogram No. 60. Colonel Abbott. Mr. Bayley, No. 80.

3 .- Copper.

Onyman :- Head of Hercules paragrad with the lion's skin, to the right-

LINGRED - BASIAROS ASKANO ZOLANO.

Revunes :- Club, with how in its case, surrounded by a chaplet.

ARIAN LAMEND :- Mahdrejian Dhramiliana Jhallana.

Monogram No. 79.

Lady Headfort

4 .-- Cupper. Similar types to the Apellodotta coin, No. 5, with the addition of a small slephant at the hark of the figure, in the field of the obverse. Lagenda so in No. 2, but the Greek epigraph is few correctly condend. Monagrams Nos. 81, 82, 83.

5 .- Copper (unall min).

Onymus -Elephant, to the right. Epigraph (llegible.

REVERSE .- Tripud.

ARIAN LIGARY - Milhorgians Trudesters Thulese.

Arian Monograms, dhi, Bh, and a with t.

Colored Bush.

XIV. DIUMEDES.

1 .- Copper. Plate anville, fig. 3.

Onvenian :- Dioscuri standing, to the front.

LEGIND: -BARIAGON ROTHPOR ADMINACT.

Revenue. Anian Licence - Mcharques Tradenes Dipameless.

Monograms Nov. 31, 31 with 2. Mr. Breguess. 48e with 2.

'Ariana Antiqua,' pl. v., fig. 1.

[[]Major Cunningium has published a degraded type of this us, which he supposes to have formed part of 'a coinner (that) was re-issued as haps imitated by the native chiefs in their ewn assess. 'Jour. As. Soc. Beng., (1804) p. 692, and pl. xxxv., fig. 11.]

XV. DIONYSIUS.

 Hemidrachma (of inferior execution, similar in its aspect to the Philopater coins of Apollodotm).

Onvense: - Head with filet, to the right.

LEGEND:-BARIARGE EGTHPOZ AUNTZIOY

REVERSE: - Thomalian Minerea.

ARIAN LIBERTO :- Mchirajara Trudatasa Diamiriyana.

Monogram (se in Apollodotus' coins), No. 68, standard type. Cel. Albett.

A second specimen gives the 2 in the name more after the form of a proper signar. The outline of the Ni, in the Arian legend, is also modified in the duplicate coin, which, however, hears the same monegram.

2. - C) Copper.

Covers: - Apollo, to the right, as in Apollodotus' coins.
LEGEND: - BANIARDE MOTHPOL AMOVEMENT.

REVERSE - Tripol. Arian Legend imperfect.

Monogram No. 84, consisting of Arism letters, Sh and A. B.I., mon. 85, British Museum. 'Num. Chrom.,' xvi., plate p. 101, Sg. 6.

3 .- Copper. Plate alii., fg. 7. Unique.

OSYRBER .- As in No. 8, Application. No legend.

REVENUE :- Device, as represented in the plate.

ARIAN LOURSD: - Milhergiose Tradatosa Diyuaniyam

Colonel Ilushi.

XVI. LYGAS.

I .- Homidrachma. Plate atiti., for 4.

Ouverage .- Head of king, with heliant in the shape of an deplant's head:
similar to the Demotrics' type.

LEGEND :- BARLARDE ANDROTOT ATRIOT

REVERSE :- Hermiss standing, to the front, so in the Demetrice' prototype.

ARIAN LEGEND: - Mehingian Apolibition Lynkose.

Ariana Antiqua, pl. ii., fig. 9. Monogram 65. 'Aciana Antiqua,' pl. xxi., fig. 9. Monogram 67. D.L., monogram 85. Colonel Abbott. Monograms 85. 86, 87.

Hemidrachma.

Ouvenue .- Head of the king, with the ordinary belinet.

Raysnan :- Harrains, as above. The logand varies in the Arian definition of the name, which at times exhibits the initial vowel at and at others the letter I, so the possitionate.

The seven specimens of this mintage that I have had an opportunity of examining all have the monogram No. 80. 'Num. Chron.,' avi., plate p. 108, fig. 1.

3.- Copper. Plate xiv., fig. 12.

Ouverse: -Bust of king, to the right, head uncovered, with a clab resting on the shoulder.

REVISER: - Elephant, to the right, as in Helsocies' evins. Legand as above, the name being usually spelt with a 2.

Ariana Antiqua, pl. il., fg. 10. 'Num. Jour., vii., pl. il., 22.
Monograma Nos. 8s, 22, 88s.

4.-() Copper.

Onvenes: -Bust of the king, as in No. 3.
Ravanas: -Elephant, to the right. (Lisiese.)
Monogram No. 24s.

Colonel Bush.

LYSIAS AND ANZIALKIDOS.

L -C Copper.

Ouversu: - Have head of king, to the right.

LEGEND: - BAZIALGE ANIESTOT ATSIST.

REVESSE: - Caps and palm-branches of the Disseuri.

ARIAN LEGENO: - Militrajone Joundhovem Antialiethana.

Captain Hay,

XVII. ANTIGERMES.

1,-Tetradruckma.

Oovense: - Bare boad of king.

LEGEND :- BASIARDS NIKHO-PUT ANTIAARIAGT.

REVERSE:—Jove authrosed, with a small figure of Victory is his right hand; minute alephant in front, etc.

ARLAN LIGHTS : - Mchirajasa Jamellarum Antialikidasa.

Monogram No. 86.

Colonel Abbott.

 Hemidrashma. Similar types. Monograms No. 86, 22, 88. "Ariena Antiqua," pl. ii., fig. 12.

2, - Drachina.

Osvensu - Head of king, with Censia.

REVENSE :- As in No. 1.

Managram Na. 31. B.I.

*).-Hemidrachma. Plate ravidi , fg. 2.

In some specimens the small elephant from the scated figure.

Monograms Nos. 88, 22, 31, 80, 'Arisms Antique,' pl. ii., fig. 11.

3 .- Hemidrachma.

Opvenso: - Head, with the endoury eround belimet.

Revense !- Device as much.

Monograma 80, 80.

Ariana Antiqua, No. 3, p. 277.

4 .- O Copper.

Onvenen: - Bust, with uncovered head. The right hand grasps the thunderholt.

REVENUE .- Cape and palms of the Dieseuri.

Monograms S, 31, 86, 87. 'Ariana Antiqua,' No 6, p. 279,

6.-C Copper. Plate viv., fign. 9, 16, 11. Similar devices.

Those two classes of coins very occurrenally in the subordinate typical details, and the Arian definition of the name is irregular in the general series, in the interchange of the dental and coroland d, as the penultimate consonant. Monograms, Nos. Sc. 22, 20 (f), 49a, 87, 87c.

Major Cunningham supposes this to be the head of 'Jupiter Nicephorus' 'Jour. As Soc. Beng.,' vol. iz., p. 874.]
[Er. Gr., 'Num. Chron.,' vii., pl. ii., fig. 21.]

XVIII. ARTETAL

Didrachms. Much damaged. (Weight, 126 grs.)

Ouvenan :- Helmeted head, to the right.

LEGEND : - BAZIAEGZ NIKATOPIZ AMINTOT-

BEVEUSE:-Themalism Minerva, to the left.

ARLAN LIGANO .- Mithirejana Jayatherana Amittan.

British Museum. Monogram No. 10a.

'Num. Chron.,' svi., plate p. 108, fig. 2.

2. - Copper. Plate xxxii., fig. 1.

Osvansu: - Head of king, to the right.

Revenue :- Minerya crused, to the left.

Monogram No. 88.

"Arisms Antique," pl. ii., fig. 14.

XIX. ARCHERICA

1. - Tetradrushma.

Owvensy: - Hare boad.

LEGENTS: - BARIARGE ATRAINT NIKESOFOY APERBOY.

Revenen: - Inpiter standing to the front, with spear and thunderboit.

ARIAN LIGHTON: - Mikhingian Dhromitana Joynéharana drikhabiyana.

Monogram No. 86. Colonel Abbott.

4) .- Hemidrachma. Plate vzvili., fig. 1.

Similar types and legends.

'Arisms Antiqua,' pl. H., fig. S. Monogram No. 85.

2. - Tetradraches.

Opygana : - Halmated hand:

REVERSE :- As No. 1.

Monogram No. 20a.

Columni Abbott.

3. - Hemidrachma.

Onvenes . -- Bust of the king with bore head, to the left, a javelin in the right hand, as in one of the sommen classes of Manuader's coins (No. 2.)

Revenus - Jove (Neptune?) as above.

Monograms, No. 8s with 90.

'Arisma Antiqua,' pl. xxi., fig. 10.

A .- Copper.

Onvenue: -Virtory, to the right, extending a chaplet.

REVERSE: - An owl. Monogram 83.

R. Roehette, 'Jour. des Sur.,' 1839, p. 104. 'Ariana Antiqua,' p. 260,

Copper. Similar devices. Fritish Menoum monograms, Nos. 89 and 89s.
 Num. Chron., vol. xvi., pl. p. 108, fig. 3.

¹ (I regret to my that my available notes on the typical details of Colonel Abbott's coins are very imperfect. I was greatly present for time on the only opportunity I had of inspecting his rich and varied collection; such at the meanent, entertained no design of publishing the result of my scrutiny; hence my memoranda refer to doubtful and difficult readings, special seincidences of design, and monogrammatic data, rather than to the six specifications ordinarily demanded by exact numismatic science. Further, I have to note, that my companies y haste denied me even a bare right of the copper series of a cabinat whose aliver specimens promised so much: and, indeed, whose contents in that metal, whether in regard to discretion of selection or prefection of preservation, are unequalled by any public or private collection I have hitherto examined.]

XX. MENASDER

1.-Didrachma. (E. I. C. coin. Weight, 151-0 grs.)

Ouvenen :- Bure head of king, to the right.

LIGEND -BAZIAZOZ ZOTHPOZ MENANAPOY.

Ravenan :- Thesialian Mineres, to the left.

ARIAN I.MEND: - Milarajone Fraderica Menadrona, Monograma, 2 and 30. Mr. Benreton, monogram, 85.

'Arinna Antiqua,' pl. iii., fig. 13.

*)—Hemidrachens. Plate iii., Sg. 5. Same types. Managerras, 1hs, 18 associated with 95 on the same field, 22c, 51, 46s repeated on the same coin, 79, 56 repeated, 85 with F. S. and 2. severally associated on the same field, 91, 92, 93, 94, 95.

"Arisms Antique," pl. 01., fig. 14.

- Didruchma (coar). British Museum.
 Craveness: —Bare head of king, to the left; the right hand groups a javelin.
 Revenue: —Mingree to the left. Managemen 27.
 - *)-Homidrachma. Same typen Monograms, 84, 22, 27, 31, 46, 46s, 86 with 2.
 - *)—Hemidrachers. Pl. ziv., fig. 1. Similar devices, but Minerys faces to the right, and the legends are arranged in one confinence circular seroll. Monograms, 27, 51s. 46.
- 8. Didrachma,

Osvanan: - Head of king with helmel, to the right.

REVERSE :- Minerva.

Lady Headfort.

- A)—Hemidrachum. Monograma, 84, 22, 22r. 27, 31, 46s repeated, 86, with 3, 91.
 Arison Antique, pl. 11, 6g. 16.
- 4 Hemidyselma.

Onvenue .- Houd of king, to the left, with helmet and javelin.

REVESSE -Mineres.

'Arissa Antiqua,' pl. iv., fig. 2.

5 - Hemidrachma

Onvanau: - Helmeted head, as in No. 3

REVERSE :- An owl. Monograms, 27, 21.

6 .- C Copper. Large coin. Weight, 550 5 grains.

ORYERSE - Helmeted bend of king, to the right.

REVERSE - Horse, free. Monogram, No. 30 (7)

Mr. Brereton.

7.- Copper. Weight, 316 grains.

Opvense: -Bull's head, to the front.

Rayanas: -Tripod.

Monograms, Se; another sain (in weight, 728 grs.), Se; a third, No. 31s, with an Arisa or in the fuld.

Mr. Brereton.

8 .-- [] Copper. Plate xxxii., fig. 8. Weight, 342 grains.

Osvense: - Bure bend, to the right.

REVERSE: - A delphin. Monogram 30, with 8 on the field.

Arisma Antiqua, pl. lv., fig. 3.

9.- Coppes.

ORVERSE: - Bare head, to the left, with javelin, as in No. 2.

REVERSE: - Minores, to the right. Memograms, 27, 31, 71. Arisms Antique, pl. iv., fig. 7.

10.-□ Copper. Plate xiv., fig. 2.

Onverse :- Holmstad head, to the right.

Ravenar: - Wieged figure of Victory, to the right, with palm-branch and wreath Monograms, 27, 31, 46, 71, 98.

'Arisma Antique,' pl. iv., figs. 5, 6.

*)-D Copper.

Ruyman : - Victory, to the left.

Monograms, 31s, with B. Another coin has B alone.

'Ariana Antique,' pl. Iv., fig. 4.

There are other subordinate varieties of those coins, see 'Ariana Antiqua,' p. 285.

11.- Copper. Plate xxxii., fig. 6:

Osvunsw:-Helmstof hand, to the right.

REVERSE: - Owl.

Ariana Antiqua, pl. iv., fig. 8.

12 - Copper. Plate xxxii., fig. 5.

Onyman .- Heimsted hand, to the right.

Revenue .- Shield of Minerya. Monograms, M (?), 40, 40a.

"Arlans Antique," pl. iv., fig. 12.

13 - Copper, Plate xxxi., bg. b.

Onvenas - Buar's bond.

REVERSE :- Calsa branch.

Munigram, H.

Arismu Antiqua, pt. iv., fig. 0.

14 .- C Copper. Plate siv., dr. 2.

Osvense: - Elephant's head.

Rayana r .- Club of Hereules.

Monograms, 27, associated in the several instances with the isolated letters A A; 31, ditto, A A. Colonel Push, Arian monogram, Son.

'Ariana Antiqua,' pl. iv., ag. 10;

15 .- C Copper. Plate xxxii , fig. 7.

Onvenau - Wheel.

REVERSE :- Clab.

Ariana Autique, pl. iv., fig. 11.

16. - (2) Copper.

Onvesar. - Miners to the left, with a spenr reating on her left arm - shield in frost of the knee - right hand extended.

LEGEND :- BARRARGE AIRAIGT MENANAPOT.

REVENUE :- Indian lies, to the left.

ARIAN Leonen: - Mikatespase Discomilions Mesondress. British Museum. Quoted also by Wilson, 'Ariana Antiqua,' p. 217, from on imperfect coin described by M. R. Rochette, 'Jour. des Sav.,' Dec. 1838, p. 761.

17.—□ Cupper.

ONVERSE: - Elephant, to the left.

Legend imperfect, but exhibiting traces of the name of Menander: --

REVERSE :- An ankny (or elephant-good).

Arian Legend imperiort :- [Makers]iess Trade[toon]

Monogram, No. 96. Mr. Bayley.

XXI. STRATO.

I .- Didrachma. (Cast).

OAVERSA :- Helmeted head of the king, to the right.

LEUEND :- SUPLANDE ERIFANDE 20THPOX SYPATONOZ.

REVERSE:-Thomalian Minerva, to the left.

Arian Legend incomplete - . . . Pratichase Tradatesa Stratuse.

Monogram, 20s. Capt. Hay

2 - Hamidrachma

Onvenan: - Bays head, to the right.

LEGEND: -BARIARGE EINGANGTE ENTHPOR ETPATRNOS.

Rayanas - Minerva.

ARIAN LEGEND :- Mehiropous Praticiona Tradition Strutum.

Two speciments. British Museum. Monogram, No. 8a.

8,-c) Copper.

Onvense: - Apollo, as in Apollodotas' soin, No. 7.

REVERSE: - Tripodi

E. I. H., mourgram, No. 8s.

4 -C Copper.

Onvenue :- King's hust, with club resting on the right shoulder.

LEGENT :- BARRAGGE ROTHPAR STPATONOS.

Rovensy -- Victory.

Antay Leaunn: Mikiterjana Tendalam Strillan.

Monograms, No. 23s (1), 23s.

Mr. Buyley.

A .- C Copper.

Ouveaux - Type as in No. 4.

LINESD :- BIZIARDI IGTREGI ALKANT ITPATONOL

REVERSE: - Type as in No. 4.

ARIAN LOGISTI: - Mikhingan Tradatess Tehramikasa Stratana.

Monogram No. 21s. British Museum. Other monograms, Nos. 22 and 225.

6 - Copper.

Onvenan :- Bare head of king to the right, as in the eliver hemidrachmus.

LIGHER, imperfect .- BAZIAEse croposer current ZIVATANGE.

Ravanses - Victory with (palm branch) and) shaplet, to the right.

Autas Latent .- Maharejaso Pradichusa (Tradete)es Strafeso.

Managram 108s. P Colonel T. Bush.

XXII. ASATBOURE

(WEFE OF PERATO).

1 .- Copper Plate annii., fig. 2.

Opyman :- Penale head, balmeted.

LEGEND :- BAZIAIZZAZ GENTPOROT AFAGOKARIAZ

REVERSE :- Hereules with club, wated

ARIAN LEGEND :- Mahirejass Tradatera Dhrumikasa Stratasa.

Museogram No. 225.

'Arista Antiqua,' pl. vi., fig. 10.

I notice in this place, irrespective of the order of time, a series of debased derivatives from the normal type of Strate's hemidrachum (No. 2 superi), which are peculiarly identified with the original mintage, not only in obvious imitation, but in the progressive degradation of certain assertiate pieces bearing that monarch's name, which have been found in company with the only considerable heard of these coins that has as yet been discovered.

The serial class is remarkable in that, while continuing the same standard devices as the prototype, it eventually lowers the title of Moldanja, on the reverse, into that of Satray; and it is further interesting in the exemplification of the speedy obscuration of the Greek logentle, while the Arian writing remains well-defined and intelligible; as in the parallel instance of the money of the Sah kings, where the local Pal's appears in the highest perfection in the presence of the meaningless repetition of Greek outlines on the obverse. In its local sepect also, this particular heard is instructive, as, although solitary specimens of those and kindred issues may have found their way to other parts of the enoutry, yet the collection of so many successional roins, namined with foreign curvancies, would seem to indicate an ordinary accumulation of every-day life, either made on the spet or gathered from the circulating modium of no remote locality.

Major Cunninghous, in a paper in the "Journal of the As. Sec. Beng." (1854, p. 679), with persevering assiduity, endoweens to reconcile the degraded Greek legands with the indigenous inscriptions on the reverse, and energy to discover owners for the names — which read but reguely even in their Arian form — amid the Hindú dynastics of Hustinapur and Debit."

Passing over the progressive steps of barborization in the jumbled Greek legends of all these reine that beer the name of Strate on the reverse, and rejecting unconditionally the chain of Major Canningham's F.ZA. STONES to any apparate identity, I come to the class of pieces which hear on their obverse variously the titles of BARIARCE BARIARCH and BARIARCE LITTUPES, followed by portions of a come or title which reads as PAZ and PAZIABA. On the reverse this memory exchanges the legend of Mcharajage Tradition Stratum for Charagona opentichalrons Borjahalous.) Whether the PAZJUBA of the objects begand be an imperfect attempt at a Greek rendering of the native name is of but little consequence, as we can hardly resonable Banjabala's bumble titles on the newerse with the higher designation applied to Street himself, or the more pempous BARLARGE BARRARDN, assumed by that monarch's ancressors, which figure indifferently in contact with and contract to the grade of Surray, to whose dignities alone the former limits his cisim. In brief, the coins would merely seem to exemplify an oft-recurring phase in Indian Imperialism, where the decline of the central power encourages, and at times personalistes, the effective assertion of independence by the local rulers, however much they may avoid or delay the overt act of positive discrewal of allegiance.

The monograms on the debased source of Sirata are entered under Nos. 97 to 99. Those on Ranjabala's money are reproduced as Nos. 100 to 104.

Major Conninghum observes. 'The greatest number were precured at Mathura, on the Jumus, and were said to have been found in the rains of the city, along with some rude hemidrachman of Strate' ('Jour. As. Soc. Beng.,' vol. vii., 1864, p. 681). I do not know how many of these mixed pieces Major Cunninghum obtained on this occasion, but my native coin-collector, who gleaned part of the remainder, brought me 84 coins, more than half of which number were Strate's.]

³ [See Useful Tables infed. Table vis. Bejopede.]
³ [Major Cunningham makes it Bejobalism, but the latter preserved point give the suffix n in full distinctness. His translation of Appreciability, as 'invincible with the

the diseas," is astisfactory.)

* [No. 101 is interpreted by Major Convingues: as Hasti for Hestissipure, the ancient Hindu copital on the Gauges above Morral.]

XXII.-HIPPONEATOS.

1. - Didrachus

Onvenue: - Bare head of king, to the right, with filled. Legence: - BAZIAEGE ZOTHE-Z HINDETPATOY

Revesse: - Standing figure of Deneter, with crested believe, right hand extended, the left supports a community.

Antan Lugano .- Makerejum Pradatant Hipostrotesa

Monogram, No. 85.

Mr. Buyley and B.M. 'Num Chron.,' vol. avi., pl. p. 108, fig. 5.

4),-Hemildrachma Similar types Monagram, No. 85.

Captain Hay.

Didrachma (British Museum cain, weight 139 gr.)
 Onvensu: —Bure head of king, to the right, with fillet.

LANGERO .- BASIARGS MECAAST SCHIPS HIDSTPATOT.

Revenue .- Hobosted figure on horselack, to the right; horse in rection.

Autan Lieuwe: - Maharajant Tradatan Mahitan Jayatan Ripastrelaas. Monogram, No. 165.

Mr. Bryley, No. 100, with Axion Is on the field. Captain Hay, 1050 with Is, and No. 100. M. N. (!) Cal. Abbutt, 36a. British Museum, No. 47s. Num. Chrom., ed. avi., pl. p. 108, fig. 4.

*) -Hemidrachma Slowlar types. Musegram, 105s.

Mr. Breveton.

3 .- Dideschuse. (British Museum coin ; weight, 144 5 grains).

Onvenue: - Device and beyond as in No. 1.

Revenue:- Horseman, motionies. Legend se in No. 2.

Monogram, No. 105, with the several adjuncts of No. 106, and the detached Arian letters do and got. Mr. Bayley, British Manoum, etc.

6 -c: Comput.

Ouvenag :- Apollo standing, to the right. Legend as in No. 1,

Raysons: - A tripod. Legond as in No. L.

Monogram, 65

Mr. Bayley.

6. - # Copper.

Onyman :- Juve enthroased. Legend as in No. 1.

BECEION: - Horse, standing, to the left,

Anna Lucero :- Milherojean Trudeiam Joyatasa Hipostrotzas. Cunninghom, 'Jour. As. Soc. Bong.,' vol. zi., pl. fig. 9.

XXIII. TREEPRES.

Major Countingham test made public the only known coin of this king, (*Jour.
As. Soc. Reng.," vol. 11., p. 133), which he describes as follows.—

Ouvruss - 'An assisut giant, full front, with maky legs, which curl upwards on each side.'

LINKERS: - BARIAGON RYEFFETOT THARACT.

Revenue — A desped male figure standing, to the left, his head crowned with rays, and helding in his right hand a spear; to the right, a clothed female figure, with a createst on her head."

ARIAN LEGERD - Mcharmon . . . kramess Teliphess. Monogram, No. 107.

XXIV. HERMAIN.

Didrachma Plats zviii., fig. i. (Selected British Museum coins; weight, 140 and 144 grains).

OSVERSE: - Head of king, to the right.

LEGEND :- BARLARGE EDTHPOX EPMAINT.

fixvener: - Jove onthrouse, right hand extended.

ARIAN LIGHED .- Mehdenjere Tradstass Hermsycon.

Monogram, E. I. C., Non. 175, 36, 1084.

British Museum momograms, 37a, 108, 108a, associated with 110. Mr. Brersten, 109. Calonel Bush. 108s.

Hemidrachma. Similar types. Memograms, British Masoum, 21, 335, 48c, 96s, 111, 112. B. I. 113. Mr. Broreton, 225. Captain Hay, 114. Mr. Presiting, 53s.
 Jeur, des Sav., 1823, I. 13. 'Ariana Antiqua,' pl. v., fig. 3.

HORMOR AND CALLIDDS.

2. Hemidrachma.

Ouvenes :- Male and female bonds, to the right.

LEGEND :- BAXIAEDE ENTRIPOS EPRADOT KAI KAAAIOHIEE

Revense :- Horseman, as in Antimachus' soins.

Anian Lucinis: - Milhirojans Frankrians Hermanus; and at the hottom, in the coverse direction, Kathyapuna.

"Arlana Antiqua," pl. 221, fig. 14. Capt. Habitanon, Mr. Bayley, Mr. Breveton, etc., all have the same memogram, No. 100a.

- Copper. Plate xviii., figs. 2, 2, 4. Identical in type and legends with No. 1.
 Ariana Antiqua, pl. v., figs. 4, 5, 6
 Monograms, No. 115, with Bactrian letters is, and No. 115s, with the several Bactrian letters classed under No. 116.
 - ")-O Copper. Small coins. Similar types-

4.- Copper. Plate xxvui., fig. 11.

ONYMAN :- Bust of king, with cariously arranged head dress.

LEGIND :- BAZIARDE EDTRIVE EFMAINT.

Rayman: - Horse standing to the right.

ARIAN LIMIND: - Milhirujam Tradalum Hermayam.

Monograms, 31, 100.

Aciena Antique, pl. v., fig. 7.

 Variety. 'Arisna Antique,' pl. axi., fig. 15. Head-dress as in Amyutae' evin, pl. axxii., fig. 1, monogram 109.

Extra Monograms of Hermans: - 206, 245, 36s, 38s, 1086, with Arian letters k, s; 116s, with elongated downstroke of r (or 1158), associated with the Bactrian letters tro, r, sh, sh, and s (?); also 117 to 119 inclusive.

XXIVA. SU-HERMEUS.

1.-O Copper. Plate xviii., fig. 9; and pl. xxviii., fig. 10.

Opvenage :- Head of king, to the right.

LEGEND, imperfect :- BARIARDE RTHPOS BY EPMAIOT.

Rayanau :- Hercules standing with his club resting on the ground.

Antin Leaund: - Dhone Philice Kajule Kasasa Kushanayetugan.

"Ariana Antiqua," pl. v., figs. 8, 9, etc.

These coins are usually deficient in monograms. In one case I notice the Buctrian combination No. 63 on the coveres field.

Major Cunningham conjectures these mintages to have formed a portion of the bases of Kezoula Kadphines (No xxvi.), struck during the lifetime of Hermans.— Jour. As Soc. Bong., 1824, p. 700.

XXV. MAULS

1.-Didrachma. (Weight, 151 + grains)

Osvanan: - Male figure, to the front; right arm extended, the left supports a

LAGRED :- BASIAROS BASIARON METANOT MATOT.

Ravenes - Victory, with chaplet, to the right.

ARIAN LEGEND .- Enfailinging Maketara Morea.

Monogram, No. 584.

British Museum, 384. Capt. Robinson, No. 38a. Lady Sale's coin (weight,) 48 grains), mesogram, No. 89.

*)-Hemidrachma. Similar types.

Capt. Robinson, monogram 38a. Capt. Hay, No. 64.

2. - Didruchma.

Ouvenue .- A bigs, with horses at speed. The driver wears a belinet; the chief figure holds a spear, a nimbus surrounds his bend.

REVENUE :- Jove enthround, as in Hermann' coins, with triple-pointed spear (trident?),

Monogram, No. 1074

Capt. Bobinson.

3.- Copper. Plate xiii., fig. 4.

Ouvenue :- Elephant's head.

Revenue:-Caduceus.

LIGHT :- BARIARGE MATOY.

Monogram, No. 89.

British Museum. 'Arisma Antiqua," pl. vill., fig. 11

4 .- Copper (small coin).

Onvence: - Apollo, to the front, as in Apollodotta' coins: arrow in the right and how in the left hand.

LEGEND :-- HAZIANDE MAYOT.

REVERSE :- Tripod.

ARIAN LEGEND :- Meldresses Mouse.

British Museum. Mr. Brereton

à.-□ Copper.

Osvesse: - Female figure, to the front, with spear; eroscent above the head.

Two six-pointed stars or constellations appear in the upper part of the field, one on each side of the figure.

LEGEND :- BATIARDE BATIARDE METAAST MATST.

Havenen .- Victory with chaplet, to the left.

ARIAN LEONNO: - Jadirejasa Mahdima Mana.

Monogram, No. 120. British Museum, and less perfect poin B. I.

6. —□ Copper.

Onvisors: -- Jove cuthranal, with small figure at the side.

REVENER: - Female figure, as on the obverse of No. 5.

Monogram, No. 120. 'Ariana Antiqua,' p. 315.

Variety.

Knvanan: - Figure as above; but the overcent is strangely transformed, and the

Monogram 120.

Mr. Brereton.

7.-() Copper.

Onvanus :- Pigure clothed in skins, with simbox.

REVERSE .- Indian bull, to the left.

British Museum. Monogram, No. 80.

Monogram, No. 52

Mr. Bayley and Cupt Bobinson,

9.- Copper. Plate alin, fig. 11.

Opvense :- Mule figure, with sink and tridest; flowing robes, etc.

Monogram, No. 121.

Revenue :- Victory, with imme garments (similar to the figure on the obverse), and a varied style of charlet.

*Ariana Antiqua, pl. viii., fig. 10. Monogram, 122. B. I. Monogram, 123.

P .- cr Copper. Pl. xv., flg. 11.

Ouvener: - Elephant.

REVERSE :- Seated figure.

Monogram, No. 1165.

'Jour. dos Sav.,' 1839.

Mr. Prore.

10 .- [] Copper, Pl. xv., dg. 7.

Opvensor: - Male figure, to the left, in flowing garments, holding a chaplet.

Ravense .- Indian lies, to the right

B.I. Monogram, 112a

11 .- () Copper.

Owvease:—Hercules to the front, with clab and lion-skin, the right hand rests upon the kip.

HEVEURE :- Indian lies, to the left.

Monogram, No. 80.

Mr. Brereton.

[A coin of this type is engraved in Mr. H. T. Prinsep's 'Historical Results,' pl. v., fig. 1.]

12.- Copper

Onwnasa: - Neptune, with trident, treading upon a prestrate figure.

REVERSE: - Figure surrounded with branches.

Managrow, No. 120.

Colonel Nothall. Mr. Browton, and 'Ariana Antique,' p. 314.

13.-C Copper.

Onverse: - Neptune, with the right fact placed on a prostrate figure as in No. 12; the left hand costs on a trident, while the right is reised in the set of harding the thunderholt.

Revenus: -As in No. 12. Monogram, illegible.

Lady Elliot

14.- Copper.

Onvenue: - As No. 13, except that Neptuse bolds a palm-branch in the lefthand in lieu of the trident.

REVENUE -As No.12.

Monogram, a modification of No. 1 (M.

Mr. Boyley.

16 - Copper-

Chynnase: - Hornman, with a field of his dress flying losse behind him.

Monagram, illogible

Bevenue :- Helmond figure, in loose garments, moving to the right, holding a guriand in the right and a spear in the left bond.

Monogram, mi.

Mr. Bayley.

16 .- C Copper.

Ouvrage :- Horseman, with spour

Burnaun: - Wingod Victory, to the left, holding a chiquet in the right hand.

Munogram, No. 1156.

Mz. Bayley.

17 .- C. Copper.

Opvenan: - Streeting male figure, to the front; right arm updiffed, in the left a cinb.

Munogram, No. 1156, with an Arina M.

Rayman :- Indian ball, to the right.

Monogram, No. 145a.

Mr. Buyley.

A second rain, in the presences of Mr. H. Brereton, gives the name clearly as MATOT.

18 .- Copper.

Gavanes - Elephant.

Exygan -- Indian bull

Mr. Borreton. Capt. Hay.

XXVI. KARPHISES.

1.-Copper. Plate zaviti, ag. 12.

OBVERSE :- Head as in the Su-Hermann' colos.

LEGEND: - KOPEHAD [Veriety, ECPONAD] ECCOTAD KAROIZOT.

REVERSE -Hoppiles as above.

ARIAN LEGEND - Disems Phidase Kujule Kesase Kushenoputapura.\
Monograms, Arian sik with r. 'Ariana Antiqua,' pl. xi., figs. 10, 11.

(Major Cunningham, in the 'Jeur. As. Soc. Bong.,' vol. vii. of 1854, p. 709, transcribes this legend an follows: - Kujula Karana Kunhanya Yethogasa Dhamapidasa.

XXVI KOPOLA KADAPHES.

1.— Copper entall conc. Plats ariti., figs. 13, 14, 16; and pl. axviii., figs. 13, 14. Ouveness:—Youthful field.

LEOSNO: - KOZOAA BAAAGEE XOPAN CT ZABOT.

Revense: - A Scythie figure.

Arian Laurence - Kharleman France Kuyula [Kuyunla?] Kaphetsu Backka dhani phidose.

Monogram, No. 124. Some specimens add the Bastrian letter inserted in the plate under No. 125.

"Ariana Antiqua,' pl. zi., fig. 14.

XXVI's. Kores.

1. - Hemidrachma. Plate xiv., figs. 11, 12, 18.

Onvanua .- Barbarously executed head of king

LISTEND -KAANY

REVERSE - Erect figure, with flamous issuing from the shoulders; the right hand rests upon a speec.

LIGHTON :- PARISPOT MAKAP.

'Just. des Sev. J. 1814, pl. fg. 4; 'Ariuna Antique,' pl. 11., figs. 1, 2, 3, A

I .- Hemidrachma. Plate xxxil, Sgs. 18, 17, 18.

Opvensu: - Head as above

Ravenus - Horse's hond. Rad

"Jour des Sar.," 1846, pl. fig. 9. "Arisma Authipus," pl. iz., figs. 4, 6, 7.

XXVII. VORGNES (AND AZAS). CLASS A.

I understand that Major Commingham has discovered coins with the above combination of name. The specimens are engraved in his uspablished plates, but I do not consider myself authorized to quote them in any detail beyond this notice of the interesting historical fact they ordine to solutantiate.

VONNERS (AND SPALABURES).

CLASS B.

1 .- Didrachma

Osvanor - Azav horsoman with spoor at the chorge, to the right.

LEGIST :- BASIARGE BASIARDS METAAUT ONGNOY.

Rayanan:-Jupiter with spear and belts

ARIAN Lucump - Mahiraju Bhrata Dhramikusa Spalahoreso.

Monogram, No. 536.

Capt. Robinson.

*)—Hemidrachma. Pl. sv., fig. 5. Similar types and legends.

Monograms, 636, 136. *Arisma Antiqua, pl. viii., fig. 8.

The nearly parallel epigraph on Kamia Kadaphes' money is transliterated and translated thus—Kunkenpa Fatheren Kajule Kaphenes Sachke Sharmapidasa, 'Coin of the king of the Khushang Kajula Kaphan, the crown of the true Dharma,'')

2 .- □ Copper Plate xv., 6g, 16,

Onvenes: - Hercules, with club unit floor's skin, right hand mised to the head.

LEGESD: - BARRAGOZ BARRAGON METAGOT WOON'T.

REVENUE: - Minerya, to the left, armed with skield and spear, right arm extended.

Anian Lauren - Mahiraja Bhrata Dhranibasa Spelahiraia.

Monograms, No. 126. B.1, 126e.

*Jour dee Sav., 1835, pl. ii., fig. 20. *Ariana Antiqua, pl. viii., fig. 9.

N .- (;) Coppur.

Onymist - As in No. 2.

Revenue .- Device as in No. 2.

Autan Lucano - Spalore Bireto Istronitata Spelaterata.

Monograss, 126. Mr. Brereiss.

VOYONER LAND SPALAGARDANIES, MOS OF SPALABORES.

Chans C.

1. - Hemidrachess.

Opvense :- Agar' horoman, with spear

LEGENS - HARIARDE BARRARDE METAAST ONDNOT.

Ruyanan - Jupiter, with apour and bedte.

ARLAN LEGERO - Spolahora Patrasa Dhramituna Spolagestomean

Monograms, British Museum coin, 127. Col. Sykes, 132a Mr. Brereton, 42c, 128, 128a

2 - 12 Copper

Opvenion: - Herenion, as in No. 2, class St.

LHOUSE -BARRARGE BARRARGE MAYNAST SERRET.

Revends :-

Anian Learno: - Spathers Parsing Direction (Spain) padament.

Menogram, 128. Mr. Receton.

STATISTICS AND ARAS.

CEASE D.

I - Didruchma

Ouvenen: -- Aras' berseman.

LBERRY -- BACIABING METAANT PHARIPICAT.

REVERSE: Jave, as above.

ARIAN LEGENT :- Mildrighes Makitchnes Ayese.

Monogram, 130.

*) - Hemidrachma. Similar types. Monogram, 129, with Bacteian letters, et.

Mr. Ibereton

Mr. Frere.

2 .- Copper.

ORVERSE :- Arm' horseman.

LEGEND :- BACIABUE MEFAANT POAMPICOT.

Ravansa :- A bow and arrow.

Anna Lauren: - Mehingan Mahitekan Ayan.

Monogram, 127b.

Mr. Bayloy.

CLASS Co.

XXVIII. SPALTRION OF SPALAGADANCE (alone).

I .- [] Copper. Pl. xv., fig. 9; pl. xxviii., fig. 6.

ORVERSE :- Acus' horseman.

LEGRED :- CHAATFIDE ALEAST AAEAST TOT BACIABUE.

REVENUE :- Hereolog scated on a rock.

CLASS D4.

XXIX. Spatruses (alone).

1 .- Homidewehma,

OUVERSE!-Arm' homeman; upour at the charge,

Lauron imperfect :- BACIARGN BA PRIAMPIC ..

Raysass: - Neptune to the front, with trident and boits.

ARIAN LIBERTO :- Maharquas Spatiriesas

Monogram, 48c.

Capt. Hey

2 - Gopper Plate er., by. 6; pl. zevil., by 7.

Onvenue :- Female figure, to the left.

LOUIND - BACKARUN BACKARUC MEPAAOT PRAAIPICOT

Bevenue - Jove onthread

Augan Louwen :- Milliorgum Mikitahme Spalirigane.

Monograms, Nos. 131, 131s, and 131s.

Ariana Antiqua, pl. vili., fig. 12.

XXX. Azas.

1. - Didrachusa.

Ouvenue: -The standard Arm' type of Rossesses, to the right; the spear point alightly depended

LOURND :- BASIAEGS BASIAEGN METAAUT AXOT

Ravenus: - Female Sgore, with palm-branch in the left, and a four-pointed object in the right bend, somewhat after the nature of the Scythian monograms. No. 169, etc.

ARIAN Louison ; - Multirajona Rajurgians Maholoso Apont.

Monogram, Captum Robinson, 122, with Areas letters, sol.

"Ariana Antique," pl. vi., fig. 12. "Jour. des Sav.," 1825, ii., 16, memogram, 133 with see.

*). - Hemidrachmas.

Monograms, No. 132, with Arian letters hit and all; No. 153, with the word saw; No. 38a, with severally 535 and an Arian r; No. 38a, with a Greek A and an Arian r; No. 38a, with an Arian r alone; No. 124, with an Arian s; No. 134, with all and sai.

*Arisma Antique, pl. vi., fig. 18.

2. Didruchma.

Onvesse. - Horseman, as above.

Revensa:- Minerva Promaches, to the left.

Monograms 85; 85, with Arian s on obverse; 85 simple with 132; 183, with the Arian word are, and No. 53s.

*) -Hemidrachma.

Monograms, British Masones, 85; Captain Robinson, 85 simple with 132.

3. - Didrachma.

Onvenion .- Horseman, as above.

Raymann: -Jupiter, with spear and bolts.

Monograms, Cupt. Robinson, 132a with 84. British Museum, 132a with db.

4. Variety of No. 3. Didrachma.

Opvenan: - Homeman, as above, with the Arian letters I'v' below the horse.

Revenue: -Jove, with the spear of acoptes, triple-printed, the points diverging from one centre; nimbus entirely the head.

Munogram, No. 65.

5.—Hemidrachma.

Ouveuse: - As above.

Monogram, Arian betters //.

Havanen .- Jove, with triple-pointed suspine; but the right hand is elevated in the net of throwing the thunderbolt.

Monograms, No. 850, with an Arise a.

Captain Robinson.

*). - Hemidrachus. Variant.

Ouvenue : - As above.

Ravenau .- Jupiter rayed, to the front, leading on a spear; the belts are held in the right hard low down

Monogram, No. 135.

Captain Robinson.

8.-Didrochma.

Onvenue .- The Arm' becomes, to the right, without the open; the right hand of the figure is extraded above the borse's bond.

Monogram, on Arism s.

REVERSE: - Minerce, to the right, believed and armed with buckler; right hand extended.

Monograms, Captain Robinson, 52, with v. Lady Elliot, double monogram, 158 and 159, without the Bacteran adjunct of the latter. Mr. Carne's collection, monogram, No. 141, with the several Arian letters are, et. pt, or dA.

(ft). - Variety.

Owvenes: --Horsemen, as above, with whip in the right hand and how behind the sadile.

REVERSE :- As in No. 6.

Monogram, 85 simple, with 1333.

*j .- Homideachma

Monogram 84.

Mr. Bayley.

b). - Variety.

REVESSE:-Minerys, to the left.

Monograms, obverse, Arian se ; reverse, 85

Mr. Brereton,

7.-Didrachms. Plate zvii., fg. 17 (9).

Onvence: - Horseman, as above, with whip in the right hand, how at the back of the saddle.

REVERGE:-Standing figure, with spear, holding a small status of Victory.

'Ariana Antiqua,' pl. vi., figs. 18, 16 (f), 17.
British Museum, memograms, 35e with 58, and Arian letters t, bu, dλ, etc.; ethers, with t, coult No. 53. B.L., memograms, obverse, Arian ti; reverse, 184e associated with 53h and 63; a second, reverse, No. 42 with 186, and an Arian dh. Mr. Breveton, obverse, monogram, asso; reverse, as in

. . . Hemideachma.

Monograms, No. 137, with ere; a second; No. 128, with 48 and a. Ludy Elliot. Mr. Brereton, 58e with Arian s; a second, obverse, Arian s; reverse, 38e with 129.

8 .- Didruchina. Plate xvii., fig. 15.

Ouvenin: - Horseman, as above.

the first cited B.I. coin.

Monogram, Arian N.

REVERSE :- Mineren, with spear, to the right; have head, and right arm extended.

Monogram, 85 simple with 133c. B.L. obverse, monogram, Arian ri; reverse, 856 with 7326.

'Ariana Astique,' pl. vi., fig. lil.

(ff),-Variety Billion.

REVERSE :- Himther Squee, with triple-pointed spear.

Monogram, Arisn is and \$346.

9.-Didruchma. Billion. Plate wit, fig. 16.

Опуния :- Ал авиче.

Ravause :- Neptune, with trident, to the front.

Monogram, No. 140, with at.

"Ariana Antique, pl. vi., fig. 16.

10 .- Hemidrachus Plate zvii., fig. 18.

OHVERNE -Horsenson, as above, with bow and whip-

REVERSE: - Minerys, to the front, around with spear and shield, the right arm appaired.

Monograms 125s, with sa4; 1555 and Arism monogram 112, or shi f 1556 with 30s. Another obverse, monogram o; reverse, 140s, with an indistinct symbol like 152. Miscalianous: obverse, mint-marks Arian letters s, f, p, and oc.

"Arisma Antique," pl. vi., fig. 19.

11. - Drachma.

Onvenue .- King, standing, to the left; right hand extended, and sloped spear on his left shoulder.

REVENSE: - Winged figure of Victory, to the right, holding out a chaplet.

Monogram, No. 64.

10.-□ Copper. Plate xvii., fig. 14.

Onvenen:-Neptane, treading on a prostrate figure. Legend as above.

Reverse: - Female figure, currounded by branches. Legend as above.

Monogram, No. 64. 'Ariana Antiqua,' pl. vii., fig. 5.

Mr. Brereton has a superstruck proce of this class, offering the possibility in that the obverse legend exhibits portions of the epigraph of two distinct dies: it may be represented in its present state thus—ZGTMPOX BASIAEGN METAACY AZOY.

11.- T Copper.

Onverse: - King, riding on a flactrian camel. Ravanan: - Thibeton yak (or long-haired bull)

"Ariana Antiqua," pl. vil., fig. 6.

12 - I Copper Plate xvi., fig. 9.

Onvision :- King on horseback, with spour sloped. -

RESERVED: - Indian ball, to the right.

Monograms, No. 55; 85 simple, with t, and the four variants classed under No. 143. Another observe, sant reverse, 134 with st.

'Arisma Antiqua,' pl. vii., fig. 19.

13.- Capper. Plats xv., fig. 8.

Ouverage:—Hereules, to the front, with chapter operated in his right hand, and elab in the belt, after the master of the reverse devices of Demetries.

Monngram, 534.

REFERENCE: - Horse, free, to the right.
Monogram, on.

Ariuna Antiqua, pl. vii., fig. 7.

14.- Copper. Plate zvi., figs. 4, 5.

Onvenze .- Elephant, to the right. Revyano .- Indian bull, to the right.

Monograms, Nos. 52 with Ariso s; 85; 55 simple with 142s; 65 simple with 122.

"Ariana Antiqua," pl. vii., fig. 10.

15 .- Copper Plate svi., figs. L. 2, 3.

Osvenon .- Humped bull, to the right:

Revenue .- Indian list, to the right.

ARIAN LEGERT - Miklingine Rejulierium Maketem Ayem.

Monograms, 132 with 14de, 13de with 35e, 13de with 35e, 1436 with 35e, 1436 with 35e, 144 with 138, 145 with 138, 145 with 14d, 135e with 143, 65e with 133, 1346 with st.

" Arisna Antiqua," pl. vit., fig. 8.

*) -Small coins. Similar types.

'Arians Antique,' pl. vii., fig. b.

*)-(I (?) 'Ariana Antiqua,' pl. vil., bg J. Monogram, s. Bev. memegram, pr.

16 .- O Copper, Plate 1vi., 6g. 10.

Opvense: - Demeter, scaled on a throne.

REVERSE :- Hermon, standing.

Arian logond as in No. L.

Most common monogram, No. 1356 associated with 142.

"Ariana Antiqua," pl. vii., fig. 12,

1 [Some months ago (1857) Mr. Bayley read an interesting paper, on the subject of the superstruck coins of Axes, at one of the meetings of the Numismatic Society.] 17.- Copper. Plate xvi., fig. 12.

Onvenan: - Figure, scaled cross-logged.

REVERSE :- Hormes, standing.

ARIAN LEGENCE, as in No. 15.

Monograms, the combinations entered in plate xi.e from No. 167 to 153. Ariana Antiqua, pl. vii., figs. 13, 14.

*) Small mins, ditte.

'Ariane Antique,' pl. vii., fig. 15.

18.- Cupper

Onverse :- Female figure, clothed in Indian garments, standing to the front; the right arm is raised towards the head, and the left hand rests upon the hip.

REVERSE:- Humped bull, to the right.

Mr. Beseston, managean 184. Mr. Bayley, manageams indistinct.

10.- Copper.

ONVERSE - A lion, separt.

Lucaro, blundered and anistelligible.

REVERSE -- Rode figure of Demoter, sented,

ARIAN LIBERTO - Milhorques ... Apase

Monogram, No. 31s, with the

Mr. Bayley.

26.- Copper. Minute coin. Types similar to No. 7. Monograms, Ohr. No. 165, and mi. Rev. No. 38s and see. Mr. Bayloy,

21 .- O Copper. Types similar to 3 Copper, No. 12. Managrum Bil.

Mr. Brereton

22,-C Copper

Ouvmen - King on horselack, with the right hand extended.

Manageum 124a.

HEVERSE :- Indian lies to the right.

ARIAN LAURED, Imperfect - Mildrejone Maketers . .

Monogram indistinct

Col. T. Bush.

23.—() Copper.

Ouverese:-Azas' horseman with whip and bow,

Monagram, 147.

REVEREE :- Minerea, to the right; with aloped spear and right hand extended. ARIAN LEUREND, as in No. 15.

Monograms, group 138.

24.- O Copper. Plate xvii., fig. 22.

Osympus .- Horseman, with right hand ruled,

Monogram 124s.

Rayanan :- Demeter, standing, to the front; right arm extended, the left sup-

ports the cormosupts.

ARIAN LAURED: - Mahdrajian Mahatasa Dhrumikum Enjadirajian Ayasa. Monograms, No. 166, 156 with 48, 156c, 156d, 166c, with variants of miscellanoous Bactrian latters on the Held.

VOL. IL.

25.-Plate ii., figs. 11, 12.

Onvense :- Indian lion, to the right.

Rayansa: - Demotier, standing, to the left.

ARIAN LIURND - Mihirojasa Rajatirojasa Mahatasa Ayosa.

*Jour. As. Sec. Beng., vol. ix., p. 870.

SUB-AZAS (ASPATARMA).

1:- Copper.

ONVERNE -Astar horseman, with right hand helding a whip.

LEGISTS: - BATIARGE BATIARGN METAAST ARST.

Monogram, No. 157 (April 7).

Ravansa .- Minerva, helmeted, with spear and shield, to the right; the right hand supports a small figure of Virtory.

Anian Lineau ! - Infra Farms Patrics Asymparaman Strategum Jayatasa (General Aspaverme, son of Indra Varma, the victorious).

Monograms, No. 159, with 132, and the several Arise letters entered in the plate under No. 169

As this ratalogue does not profess to follow any authorizative a rist distribution of the numerous comprehended in the general list, I insert in this place, as most suitable, in abeliance to typical order, certain obvious derivatives from the standard devices of Azas' mintages, which bour explosively the names and titles of Satraps who may be supposed to have succeeded to the possession of local divisions of his ones extensive dominious, but who refrained from arrogating to themselves the style and dignity of absolute meanwhy.

ZEDOSTRAN.

1. Didrochma. Plate xxviil., fle, 5.

Ouvenou: -Arm' herienan, with right hand extended, and new at the back of the saddle.

Louise Hegible. Monogram 150.

Ravansa:-King, standing, to the front; supported by two figures in the act of placing a chapter on his head.

ARIAN LIBERTO, imperfect at the bottom :-- Filancian.

Monogram 161.

Jour. des Sar., 1839, p. 102. 'Arisma Antique,' pl. viil., fig. 17. Cunningham, 'Joar As Soc., Heng.,' 1854, pl. xxxv., fig. 1.

2.—Hemidrachma, Unique.

Opversor .- Horseman at above.

LESSEND, CHTSQL: -- WHITAIT THE CATPAU ZERONICOT.

Monogram 150.

BEVERSE: —Standing figure of the king receiving a chaplet from Demeter?

ARIAN LOURND: — Monipuleus Chairspura Patrona, Chairspan Jihanisaa.

Menogram, No. 162.

Mr. Bayley. See also Cumingham, toe. cit., pl. xxxv., fig. 2.

[Cunningham, Jour. As. Soc. Beng., 1864, p. 696. Strateges is identified with the Greek Property of]

3.- O Copper.

Osyman: -Indias bull, to the right.

LEGENT, corrept and importer :- THAIT TIY CATPAIL.

Monogram, No. 150, with sam.

ARLAN LEGEND: - . . . guiz Potrone Chatropous JIMANATARA.

Monogram 165.

British Museum, two coins, from Major Cunningham's collection.

4 .- Copper. Unique. Plate zhi., fig. 8.

OHVERSE :- Elephont

LEURIST, corrupt and imperfect :- ANIZIOAAI Zevenic. Monogram, P.

REVERSE: - Bull, to the laft.

ARIAN LOURD .- Meni (Ji) bancon.

Monogram as in the plate. Col. T. Bush.

5,-C Copper.

ORVIOLOR: -- Arm' horseman.

LEGISCO, imperfect. Combination obtained from six operimens gives no more artisfactory result than the following: -- TATOT TOT XAPANUIC A - RICA. Monogram indeterminate.

REVERSE .- Stocks, or Indian tion, to the right.

Anian Leonero, liberim imperiori and incomplete: Chatrapasa Bhrata Doughton Abora Patrara.

Monograms, pro, X, etc.

'Arisna Antiqua,' pl. vill., fig. 2; and Conningham, ' Jour. As. Soc. Beng.,' 1854, p. 695.

XXXL ATTEMAN

I .- Didraehma. Plate avli., fg. 27.

Onvenes :- Anse' borsoman, with spear.

TOURSE -- BARRARE RABBARGE REFARST AZIAIEST.

Monogram, ti.

REVERSE:—Pigure, to the left, helding the four-pointed object in the right, and pains-branch in the left hand.

ASIAN LOURS .- Mikirajan Rajarajan Mahatan Ayileskasa.

Monograms, British Museum, 133 with see and 58; ditto, 134 with st.

British Museum monogram, I with si and g. Cupt. Robinson, menogram 134 with si and s. B. I. Miscellansons Arian letters, sen, si, bb, sib, with 6, and A with sen. "Ariana Antiqua," pl. viii., fig. 0.

*)-Hemidrachus. Similar types. British Museum memogram, 132s, with i. Capt. Robinson, memogram I, with an Arian A.

2.- Didrachms.

ONVERSE as above, with Arian letter s in the field.

REVERSE:-Female figure, to the left, with chaplet and palm-branch.

Monogram, No. 77. 'Ariens Antique,' pl. viii., fig. 6.

3.-Didmehma. (145 grs.)

Ouverage :- Asar' horseman, to the right, with whip and the bow fixed behind the saidle.

Monogram, No. 137.

REVERSE :- Disservi, standing to the front, leaning on their spears.

ARIAN LEGENS: - Mihorgian Enjadorgian Mahatam Apiliaham.

Mr. Bayloy. Col. Nuthall, Ohv. monogram, 137 with 3, and Rev. 164.

4. - Didrachma. (142 gre.)

Опуклян аз № 5.

Monogram, 137a

Havener: -- Single figure, hearded, clothed in skins, to the front; the right hand grasps a spear, the left rosts upon the sword hilt.

Monogram, No. 165. Mr. Bayley. Mr. C. M'Leod.

5 .- Copper.

Onvenes: -Standing figure, to the front (indistinct), with right arm extended, and mastle on the left.

Monogram, 30cs.

Revenue -Lion, as in Aras' colns.

Monogram, No. 166. A second win has mi (1)

Mr. Bayley, Capt. Robinson.

6.- Copper.

Ouvman .- Ame howeven, with spour sloped downwards.

Rayman .- Bull to the left. Arian legend as in No. 1.

British Massum menogram, 152 with set, and traces of monogram 125s.

*) -Plate svii., fig 29.

Revenue .- Hull, to the right.

7 - Copper.

OSVERSE .- Agus' horsensen.

REVENSE - Elephani.

ARLAN LEGENT: - Mikirques Mahetun Ayilinkers.

Monogram, variety of No. 124, with si-

"Ariana Antiqua," pl. vili., fig. 7.

8.- Copper.

Onvenae :- Horseman.

REVENUE :- Hercules, seased, with club, and so in Spalyrine coins. (C a.)

ARIAN LEGEND, on in No. 7.

Menogram, No. 124, Mr. Bayley,

And a second piece, 167. Ordinary monogram, No. 134, with Arian a, e4, or of.

9,- Copper.

Onvense: - Standing Squre, to the right, with the right arm extended horizontally, and holding a chaplet.

REVERSE :- Figure in short mair, with hore veil-like garments around the head,

ARIAN LEGICKO, imperiest :- . . . jest Maketess Agilishuse.

Mr. Bayley.

XXXII. Soren Masas.

1.- Copper.

Onvxus: -- Bust of king, with crested belief, to the left; the right hand holds an arrow.

Monogram, No. 168, with the Arian letters ti, in front of the profile.

REVERSE: - Azas' type of humeman, stevating a small object like a cross.

LEGEND: -BACIAST BACIASTON COUTES METAL.

Monogram, No. 168.

Mr. Bayley.

'Ariana Antiqua,' pl. ix., figs. 8, 10.

2 .- Copper. Plate xvii., fig. 26.

Ouvanue: - Bust of king, with rayed head; the right hand holds either a javelinwith persons, or a simple dark.

Monogram, No. 168.

REVENUE :- As above.

Monogram, No. 168.

"Arlana Antique," pl. ix., figs. 11 to 19.

There are numerous subordinate varieties of this type of coin, which it is needless to particularise in this place. But I may notice that the degraded Greek sigmas, which have heretofore usually been rendered by a square C, are, in these mininges, indifferently interchanged with the squally debased C on the different specimens.

3. O Copper. Plate avil., fig. 23.

Ouveany :- King on horseback, to the right.

LEGEND - BACIARY BACIARYON COTTER REPAC

REVENUE: - A male dgure, with flat helmet and fillet, easing incense upon a small shar.

ARIAN LEGENT :- Mabirques Equalityone Maketone Tradelana.

Monogram, In.

Arisma Antiqua, pl. ix., figs. 20, 21, 22.

4.- O Copper.

OSYRESS :- Bead, with fillet, to the right.

Monogram, No. 168.

Havenen:—Standing figure, to the left, holding a staff or spear in the left hand, and what may possibly be intended for the thunderbolt in the right.

GREEK LEGISCO (imperfact):

Mr. Bayley.

XXXIII. KADPRISES.

1 Gold, Unique.

Owenen: - King, seated after the Oriental fashion (cross-legged) on clouds.

He holds a club in his hand, and small flames ascend from his shoulders; he were a Scythic cap surmounted by a single-central trident.

LEGERD :- BACKAETC SCHMO KAASICHC.

Monogram, 169.

REVERSE: -- Sive and his bull (Nandi); fismes rise from the divinity's head; he holds a trident in his right hand.

Antan Lucines: — Mildrejesa Rejedirejesa sarvelego Ismetesa Mahimaetasa hapinasana.

Monogram, 152

Captain Robinson.

2 -Gold

Onverse: -King, seated on an Eastern throne, with a flower in his right hand. Legend and monogram as above.

REVENSE: - Device as No. 1.

Monogram, ditto.

'Jour. des Sav.,' 1834, pl. fig. 7. "Ariana Antiqua," pl. x., fig. 5: and pl. xxi., fig. 17.

I do not propose to enter into any detail of the come of Kadphises in this place, as they encosely belong to the Sactrian series. It will be sufficient to refer to the types abroady figured and described by Prinsep, and the additional specimens engraved in the "Ariana Astiqua." It is to be noted that these and ather Indo-Scythian come are known only in gold and copper, the single supposed allver specimen in the E.I.H. having proved to be of supper plated over!

XXXIII. GORDOFHARDS.*

1 .- O Copper. Piste allii., fig. 15.

Ouvense :- Arm' berseman, to the right

LINERD :- BACTARONC BACTARON POR AUGAPOT.

Menogram, No. 170.

Rayanus :- Pigure, with trident,

Amair Lemma - Mildroja Rajorgia Malatam Gadopherosa.

British Museum onin. Managram, No. 171.

Ariana Antiqua' (billon onin), pl. v., fig. 16.

[Pl. viil., fig. 4; pl. unii , figs. 1, 2, 2.] " ['Ariana Antiqua,' pl. u., figs. 7 to 21.] " ['Ariana Antiqua,' pl. ul., fig. 9.]

* [An enquiry of semiderable interest has been raised with reference to the name preserved on these coins, so long veited from European intelligence, in virtue of the almost literal identity it been to the designation of the king mentioned, in certain old church legends, as the rolling potentiate of India at the period of the mission of St. Thomas the Apostic. The considence in the appellation is certainly remarkable, though there is a deflect in the primary authority for the statement, a difficulty in regard to the correspondence of the size of the higginary and the numinosity lip-certified menorths, the latter of whom seems to belong to a date prior to our era; but, for the reconcilement of this last obstacle, there is a fairly open margin effected by the successional coins, which in themselves suggest the question as to whether the name of Gondopharos was not posthumously elevated into the rank of a dynastic title. The following heads of sentences will indicate the leading combinations deposed to by the 'Legenda Aures,' p. 31:—'Thomas operations are easet apad Consercam, apparait of dominus dicens: rer Indias Gundaferms, etc., p. 33. Post last extern apostolus at Abbanes ad region Indias pervisorum, etc., p. 33. Post last extern apostolus at Abbanes ad region Indias pervisorum. Gaid finiter regis, etc., p. 37. Post hot natem in superiorum Indias abilit'.—'Jacobi a Voragine Legenda Aures.' Dresien, 1846. Cf. also 'Lembarden Historia' (1490), Kercher; pp. 122 and 91 severally of the French and Latin editions of his 'Chira,' etc.; also Assemain's eradite rectifications, pp. 30 and 591, vol. iii (2nd part).]

⁵ [The Arian orthography of this name varies considerably, not only in the different mintages of diverse types, but even in phose having similar chanded devices: among the latter, belonging to class No. 1, I note Geodophicats—Godopha, etc.]

2.-() Copper.

OBVERSE :- As above.

LEGEND:-BACKARMO BACKARON MEPAAGY TNAOSSPPOT.

REVERSE: - Minerva, armed, to the right.

ARIAN Laucero: - Milheroje Espaderuja Fradicta Gadapheruse. Monogram, No. 134c with 172.

Mr. Brereton. "Ariana Antiqua," pl. v., fig. 17.

3,-() Copper.

Onvenan :-- As above.

Rayman .- Male figure, with spoor, to the right,

Monograms, No. 134c with 173 (r and ples), No. 171 with 155c.

'Ariana Antiqua,' pl. v., fig. 18.

4.—(3 Copper. (Type so in pl. xxviii., fig. 16; and pl. xxxii., fig. 14).

REVENUE:- Centre device, the managram figured under No. 170, pl. xid.

ARIAN LICENSE :- Millel . . . Dhops . . . se Aprelibetees Ja se Gudaphersen.

Monograms, Arise letters, No. 63 and use,

Mr. Bayley, "Ariana Antique," pl. xxi., 5g. 16.

5 .- Copper.

Onverses:—Hand of king, to the left, the nestour similar to the Pakores' bosts.

Leavone important. B. B., etc.

REVERSE:-Victory, with chaplet.

6 .- Copper. Plate with, figs. 5-8.

ORVERSE: -- Head of king, in the right, greatly barbaried. [THPoC TNAGGETP.]
Ravesan: -- Victory, as in No. 5.

AMAR LOURS :- Militargion Gulopha , as Tradalam.

Mr. Brereton.

7.- O Copper. Smill barbario cein.

Ouvenue :- Rude filleted head, to the right.

Abbreviated Greek legend, BACI BAC . . . T

REVERSE :- Rude figure of Thomakian Mineres, to the right.
ARIAN LINEXED:—Repulsing Mulicipus Golophoruse.

Managram, Arian seri and he or he.

XXXIV. ADDALGASES.

1.- Copper.

Opvenou: - King's bust to the right, as in the Pakores' type,

LEGISTO: -- . . . TAKLIC CLITHPIC A

REVERSE .- Figure of Victory, to the right (of good execution).

ARIAN LIGHTO: - Tradulant Milherman Abdopusass.

Mr. Brerston,

There is an interesting toin in the British Museum, brought from India by Captain Hollings, typically connected with the above, which deserves mention in this place.—O Copper. Obe.—Bust of king to the left, wearing the Parthien tiers. Impertest legend, in corrupt Greek, BACIAEN. Rev.—Figure of Victory, as in No. 6. Greek

2.- Copper.

Onvenes: - Arms' horseman, to the right, with flat cap and flowing fillet; hand apeniard.

LEGEND, POTTUPE :- BASIASTONTOL BASIASTONT ABANTAST.

Monogram, 170.

A cein in the B. I. gives the name ABAAFAROY. Bev. monogram, 308 with 1745, etc.

REVERSE :- Erect figure, to the right; head-dress as on the obverse, with spour, hand extended.

ARIAN LEGIND .- Godephero Blenda Patrone Mikarajasa Abdopusas.

[Coin] 'af Gondephars's brother's son, Mhharaja Abdagases."

Cupt. Robinson, 356 with Ariso monogram, No. 174 (Sakre or Sophre).

Some of the coins of this series modify the obverse legend. It is usually in corrupt and burgled Greek, and difficult to make some of; but it clearly accords with the substance conveyed in the Arian legend above transcribed, in defining the reportal relationship of Abdalgases. A collation of three specimens (B. I.) produces the following imported version—BA LAKTA CIAAA PYNAIPEPO AARACIARISC. The Reverse legend is also uncertain in the different specimens, adding, at times, the titles of Tradition and Direction offer the Maharaia. Managemen, 176.

3.— Copper. Sunilar types.

Licenses, imported [lederre annel] with the addition of the title of Traditions before the name on the reverse. Mr. Breveton.

4.- Capper.

OSVERAN -Horseman, to the loft.

REVERSE: - Figure as in No. 1, without the cap.

Major Conningham.

*)-Small coin. Mr Bayley

5.- Copper

OSVERSE: - As No. 2. Monogram, No. 145 with t.

Revenue: - Erect figure, holding a small statue of Victory, to the left-

Monogram, No. 134c, with Greek AP and Bactrian t. Mr. Bayley.

SUB-ARRADAMES SASAY.

1.-(Copper.

Osymus :- Horseman, as in No. 2. Legend imperfect.

Monogram, No. 170, with p. My 'Cabinet,' 170, and A.

Raviosau: - Figure as above, No. 2.

Antan Lanung - Méhérajan Makatan Tradelon Godophrasa

Monagrum, No. 159, with γ and small letters, ρ, εk, etc, in the field. Mr. Bayley, ρ, ρέ, etc. 'Ariana Antiqua,' pl. γ., fig. 20.

legend imperfect, but the name or title reads simply CANARAPOT. Of. Zilii Spartiani—Lugdani Bat. senexat, p. 23; and Kercher, pp. 80, French edit., 59, Latin edit. Prenumessires?

(Sanskrit, 24 ga Dere-Aridye), God-hearted, Secretary. 'Jour. A. Soc. Beng.,' 1854, p. 713.]

2 .- Copper.

ORYERSE: - Asas' horseman.

REVERSE .- Jupiter, hobling a figure of Victory, to the left.

ARIAN LEGINED: - Moldengian Specks Dha(mappiless) Specses [Curningham], Monogram, No. 134c, with Greek AP and Arian t.

'Ariana Antiqua,' pl. v., fign. 19, 20.

XXXV. ABMCBS.

I extract the following notice of the colus of Armses from Major Cunningham's paper in the 'Jour. As. Soc. Beng.,' vol. ri., 1842, p. 125.

L-O Copper.

Onverse .- A horseman, to the right.

LEGEND :- BACIAEVONTOC BACIAEUN AIRAIGT APCAROT.

REVEASE :- Type obliterated.

Augan Laumen :- Makarajan Bajurajan Makatan Askakalum Tradatum.

2-O Copper.

OBVERSE :- A horseman, to the right.

Lanuary, imperfect :- BARI . . OT APEAROT.

Revenes: - Male figure, to the left, holding a small figure in his right hand.

Annan Loumen - Mildersprenies - dialekaluse).

XXXVI. PARORES.

1,- Copper.

Opvesse - Rearded head, to the left; the hair is elaborately carled and arranged after the Persian fashion.

LEGEND - BACIARYO BACIARRO BAROFRIC.

Royanan .- Victory with chaplet, to the right.

ARIAN LIGERD .- Milhdrojoes Rejedirojaus Mahatoes Pakurasa.

Monograms, Nos. 177, 178, composed of Bactrian letters, with the additional floot-stroke parallar to the style of writing in use on these coins. "Jour. As. Soc. Bang.," vol. xi., pl. fig. 11.

XXXVIII. ORTHAGNES.

L-C Copper.

Osvense: -Head of king, to the left; the hair is arranged after the Persian fushion on the Pakoros' derice.

LEGEND (COTTUDE) :- BACIARTO BACIARION METAC OPENING.

Ruvanan :- Victory, to the right, halding out a fillet.

LEGISTS (imperfect): - (Méhárgiasa I) Mohatasa Gudupharasa British Museum. Bactrisa monograma, go sad go.

COINS AND RELICS FROM BACTRIA.

[Article XXI. completes the series of James Prinsep's original essays. The subjoined paper by his brother, Mr. H. T. Prinsep, is reproduced from the 'Journal of the Asiatic Society of Bengul,' December, 1838, as introductory to, and partially illustrative of, my author's latest artistic contribution to Indian numismatics,—an engraving which he himself was not spared to comment on in the text of the Journal for whose pages it was designed.']

The severance of this connection, at the time deemed only temperary, is recorded in the valgoined preceding of the 'Asiatic Society of Bengal,' which, however intentionally complimentary, does but scart justice to the position James Prinsep achieved for the Society itself, in association with the justice of which he is here recognized as the editor]—

Princep achieved for the Society itself, in association with the justmal of which he is here recognized as the edited —

Extract from the precessings of the 'Asiatic Society of Rengel,' Wednesday stroning, the 14th November, 1859. The Heal for Edward Ryan, President, is the chair.—Before proceeding to the general becomes of the meeting, the President rose and stated that he held in his hand a latter from the Beforebary, Mr. James Princep, the substance of which must be a source of deep regest to every member of the Society, for every one must feel the less the Society had emferred in the departure of its Sucretary, Mr. James Princep. He assured the meeting, however, and he spoke on the authority of a convenation he had with Mr. Princep, before his departure, that this gouthenant advance from India would be had for a short period, and that on his return he would be ready to take the same interest, and to display the same used and anxiety, which had so hereography distinguished be discharge of the important daties he had undertaken in connection with the Society. The President and that the objects of the Society had, under Mr. Princep's able superintendence, been presented with a vigour which had added largely to its credit and reputation; and that the results produced to every department of science and literature, for which the Society was indicated chalify to its Secretary's activity and varied powers, had contained its character in a manner revailing the periodical, orbitals took screeds the Society was indicated when a meeting the periodical orbitals took screeds the Society had been associated with a mentaling it spend in health took according to the Society, in the James Princep had no preparities. The week was afterwarden to the present day. The Society had no preparity in the James of the Society, in the James Princep had no see periy in the James, and continued to the end of the throng from expanding it agent from the Society, and conducting it on his own account; but he had no solection to the Society,

Ir has been already announced in the pages of this Journal, that the extensive collections of coins and other relies made by Mr. Masson, by Sir Alexander Burnes, and Dr. Lord, were on their way to Calcutta, and were likely to full shortly under the examination of the Editor. He felt it as a great compliment that was paid to his efforts to restore the lost portions of Indian and Bactrian history by means of the coins and inscriptions still extant in the language and with the superscriptions and dates of the rajus of those times, that collectors in all parts of India were in the babit of submitting to his inspection whatever they lighted upon as unusual, and sought his reading and interpretation of the legends, emblems, and inscriptions, which baffled the learning and ingenuity of the pandits and antiquarians of the vicinity. As a consequence of the happy discoveries made by him in this line, coins and trunscripts of inscriptions came in from all quarters, from Assam and Ava to Bokhkra and Sindh, and from Coylen northward to Nepal. The possession of the rich store of materials thus accumulated gave facilities

pendent. Now, he (the Frenifers) believed that all the members of the Society would regret exceedingly that a part diral as combined, and which had acquired such credit and consideration, should be discontinued. He trusted that it would be recursed by Mc, J. Princep himself when he returned to bodis; but, in the meantime, he should submit to the meeting the property of taking into consideration the possibility of making some arrangement to carry it on during Mr. Princep's absence. Having premised that much, the Franchest stands that he should used to the meeting Mr. Land Princep's later a should read to the meeting of the form of the former's later as their discount. Mr. James Princey's letter, playing the situation of complary at their disposal | but, as he had no doubt it would be the manifector feeling of the smelling to desire to retain Mr. Primup in official remnettion with the Society, he should not consider this letter as an absolute resignation, but should propose a resolution, and submit arrange-ments founded upon it, which would enable Mr. Princep to resume the office on his return to India. The Prendent then read the following letter :-

To the Hon, dir Kowann Bran, El., Fremdant of the Astalia Switte.

How, Pro.

How, Note,

Being compelled by El-health to proceed to on and commanly to Entropy, I have taken my presign on board the "Berefoodship," with the extension of being about from the sacotry for two or parliage three years. I am these under the accessity of plantag at the theposal of the Society the effection of the Society, which I have filled for two years.

It is with great relactions and respect that I thus expected expect from a body with whom I have been expected in labours of much independ and edity, whose favour has encouraged my unit, and Group's whose revoid and represent and utility, whose favour has encouraged my unit, and Group's whose revoid and representation in the world I have abstract the means of anxion generally known my own bounds afford to the country be defined in my own transpositful endeavours to explore the satisfaction of the country is whose service we are developed.

But the disability of decisions is an accident to which we are all liable, and from which there is no resources, but in temperary departure in a better climate. I am thus compelled in large my incomplete labours to be perfected by others, and to reliaquish the plane I have held in the Society, that provides may be made for its immediated discharge moder the failure of any swa power of larger readering methal service.

I have the homest to be, etc.

I have the horser to be, etc. Lat November, 1838. (Signet) James PRINCEP.

Proposed by the President, ecousied by Mr. Curnin, and ununinously resolved: That the resignation of Mr. James Princep is not accepted; but the Society hope that he will return to resume the situation of Secretary, which he had filled or much to the credit of the Society for a period of five years.—Resolved: That the Procident communicate to Mr. James Princep the descret of the Society, that he shall not consider himself as having vacated the situation of Secretary; and express the hope that, on his return to India, he will resume the situation of Secretary.

of comparison and collation which were doubtless a main cause of his success; but the study and exertions required for the satisfaction of these numerous references to his individual skill, although entered upon with a real participated only by those who have achieved much, and feel that there is yet more within their reach which ought to be the result of their own discoveries, were too severe for the climate of India, and the Editor's robust constitution sunk at last under the incessant labour and close attention given to these favorite studies at the very mement when the richest collection of inscriptions, coins, and relies, that had ever been got together in India, were actually on their way to Calcutta, as materials for maturing the results he had achieved. The collections of Mr. Masson were forwarded from Bombay in the John Adam, which reached Calcutta only in the course of the post December. There are of these coins from four to six thousand, besides the contents of several topes, and casts of figures of Budh, with various other remains of the period antecedent to the Muhammadan invasion of Bactria and Afghanistan. The whole of this collection was by order of Government laid upon the table of the Asiatic Society at the meeting of January, 1830; but the members present felt that, in the absence of their late Secretary, and likewise of Capt. Cunningham, Mr. V. Tregear, and Colonel Stacy, there were no persons in Calcutta to whom the examination, arrangement, and report upon the coins and relics could be committed with confidence. They came therefore to the unanimous resolution to recommend their being forwarded without delay to England, where the Honorable Court would have the opportunity of submitting them to the inspection of the late Secretary of the Asiatic Society, jointly with Dr. Wilson, the librarian at the East India House, and so the ends of science and of antiquarian research would be most effectually answered.

The eare of this magnificent collection, which is large enough to supply all the museums in Europe, has been kindly undertaken by Mr. Cracroft, a very realous member of the Asiatic Society, and there is ground for hoping that under his superintendence a catalogue may yet be made before he takes his final departure for England. The articles have come round in bugs without any separate lists, and in one bag there are about two thousand copper coins.

But, independently of Mr. Messon's collection, another numbered by thousands has been brought to Calcutta by Dr. McLeod, the Inspector General of Hospitals to Her Majesty's forces in India. This consists partly of coins of all metals, but there are also several seals and gens of different stones cut with a great variety of emblems and devices. All these are the property of Sir A. Burnes, and have arrived

for deposit and enstody as well as for inspection; they are therefore still available for the curious, and will continue so until Sir A. Burnes shall send instructions as to their disposal. We cannot ourselves undertake the particular examination of those relies so as to give the detailed description they deserve. A selection from the coins had, however, previously been made at Simls, and those deemed most curious being forwarded by the dawk arrived furturately before the departure of our Editor. Amongst them is that most curious coin of Dr. Lord, with the head of Eneratides on one side, and of both his parents on the other, a drawing of which is exhibited in plate xlii. From the other selected coins thus transmitted, a plate was prepared by the Editor, which was intended to be illustrative of an article he designed giving in our last Outober number. The plate remains, and we attach it to this article, that the curious who have followed our Editor to the length of his past researches may see the objects which he deemed worthy of fresh illustration in the field of Indo-Bactrian numismatology. If the 'Herefordshire,' the ship in which he took passage, had touched at Madras, or had put into Magritius, or had met a vessel at sea, we might have hoped for the comments premised on this, as on two other plates which we also intend to give, and shall separately refer to. But the time approaches when the issue of the last number of our series. will be expected, and we can so lauger defer the publication, under the doubtful expectation of receiving the desiderated paper from the Cape of Good Hope. Of the coins and goess therefore in Sir Alexander Burnes's collection we can at ground make no use, but we hold them in deposit for the examination of others, and to await his further instructions. We must be content at present to give the plate referred to, which it will be seen is numbered xliii., together with such brief reading of the names, as a Tyro of Indian numeratics might be expected with the aid of the alphabets to supply. The plate is of Indo-Bactrian coins of date anteredent to the introduction of Grecian art. with the Grecian alphabet, into the mints of that country. legends are in the ancient No. 1 character of the then universal Pall language, with Bactrian characters in some instances on the obverse, or intermixed. The names and emblems on these coins are well worth the study of the learned.

Along with Sir A. Burnes's coins, Dr. McLeod brought to Calcutta a very singular relie obtained by Dr. Lord at Badakhshán, and which is, we believe, destined for the British Museum. The relic in question is an ancient patern of silver, embossed in the interior in very high relief, and representing, with all the usual adjuncts of classic mythology, the procession of Bacchus. The god himself sits in a car drawn by two harnessed females with a drinking cup in his hand. A fat infant, Silenus, stands in front, and there is a female figure sitting on the after corner of the car, which, from its disproportionate size, we imagine to be the carved ellow of the sent on which the god reclines. There are also two winged cupids in attendance, one flying with a wand in his hand, to which a fillet is attached, the other end of which is held by the infant Silenus; and the other on the foreground behind the wheel of the car, as if employed in pushing it on. The car is followed by a dancing Hercules, distinguishable by the club and lion skin. The heads of this figure and of the Bacchus are both wanting. owing probably to their having been of gold, or thought so, while the rest of the patera, being only of silver gill, has escaped similar violation. The gilding, however, is mostly warn away from long use, and in one part the side of the cup is actually worn through. Independently of the circumstance of the main figure being represented with a cup in hand, its identity with the Greelan Bacchus is proved by the vines circumpendent, and by the figure of a tiger standing prominently out in the fore-ground and drinking out of a wine jar.

This patern is the property of Dr. Lord, who is also the fortunate owner of the double-headed coin of Eucratides, the original apparently from which the plate of a similar coin is given in Dr. Vincent's 'Periplua;' but the double head is there represented as being on both sides of the coin. With a liberality deserving of particular notice, both these unique relies have been gratuitously appropriated by the finder, or are intended to be so, in the manner doesned by him most conducive to the ends of science, Dr. Lord not desiring to retain them as isolated trophics of his own good furture in the field of research and discovery.

I fear we must not look upon this piece of plate as affording evidence of the state of the arts in Badakhshán, where it was found, at any particular epoch. That it is of high antiquity is quite apparent from the condition of the metal, as well as from the design; but in the Periplus of the Erythrean sea, published amongst Arian's works, it is distinctly stated that dryuposparus, i.e. articles of silver plate, were a staple import from the west, for exchange against the productions of India. At Minnsgarh, upon the Indus, it is further stated by the author of that treatise that he himself presented to the raja flapirupa dryupospara, valuable pieces of plate, in order to secure his favor, and the grant of certain privileges of trade. There is thus reason to believe that the patern must have been brought from Grossa or Asia Minor, and either presented in like manner, or sold to some sovereign of Bactria, by a merchant desiring similar privileges of trade in that country. That it has been in use for centuries is evident from the

worn condition it now presents; but for how many it was in use, and for how many it lay treasured in rayal or other repositories, is more than may now be conjectured.

INDO-BACTRIAN COINS.

Specification of coins in plate aliv.

 Osvense: Armed figure standing with a club or spear; no inscription. Revense: Elephant with rider. Bantrian inscription, Eurass; rost not deciphorable.

 Osvense: Womer and door, with inscription not legible: emblem, etc. Ravanan: Tree and mountain; with sublimes. [See sate, vol. L. p. 201.]

Onvenam: Man and bull; same emblem as No. 2; and Mahdreijass Mahabhetass
in old Phil clearly legible, but the name to the left buffles us.
 Recenam: Same device and emblems as No. 2, and Mahdreijass theory legible
in Bactrian at the bottom.

 Osvenau: Same device as No. 2, and some emblem; Enjan Enjant Maphadatasa in old Phil.

Revense Same device and emblems as No. 2; Mahdrejiasa in Bucirian; the rest not legible.

A larger coin; the same device on both sides as No. 3; obverse defaced.
 Revenue. Moldrellans in Bactrian characters.

Onvenue: Bull and emblem; no letters.
 Revenue: Sums emblems so Nov. 2, 3, and 4, with addition of a wheel; very possible;

7. Onvenue: Door and man, with embleme; Rajine Komendoor in old Phil.

Ravenan: Same as Nos. 2, 3, 4, etc.

 Onvenes: Duer and woman; Melderites in Pall. Revenes: Same as No 2; as invertein.
 Onvenes: Duer and man; Europeines in Pall.

Covernm: Dore and man; Eucondorps in Pali. Revenue: Same as No. 2.

10. Same processly. Pali inscription, Numbers, the last letter being an initial a d.

BUDDHIST SATRAP COINS.

11. Osvense: Horse reperiomed.

Revisua: Rejons, in Buctrian, with various marks.

12. Овухняв: Ноги.

Revence: Standing figure with bow. Inscription in Phil, Sarlo toposa patamapeae. [Khatrapana P(HF)agalmashasa.]

13. The same indistinct.

Ouvener: The same wors.
 Ruvener: Inscription in lines. Tamapeas legible in Phil. [Khatrapeas pagelenes P(HI) aprimachase.]

15. Nothing distinct.

Onvense: Horse's tail and hind quarter.
 Revense: Figure standing. Legimopose in Phil.

17, 18, 19. Oregass: Pull.

REVERSE: Standing figure, with inscription Exprepadent. Centre one in Bacterian.

20. Onvense: Standing figure Phili inscription, Pophupapasa. [Khatapasa Raja . .]

REVERSE : Figure. No inscription.

21. Nothing made out.

22. Onvenen: Figure in speaking attitude. Rejun Replantin

25, 24, 25. Not dariphered.

N.B.—These latter are classified as of the Satrap group—first, because of the title Raja or Maharaja not being limed in any of them; secondly, because of the names having so oridently an ancient Persian aspect; and lastly, because of the horse emblem, which probably had its origin in the commentances which attended the accession of Gushtasp, Darius Hystospen.





USEFUL TABLES,

DESCRIPTION OF

THE COINS, WEIGHTS, AND MEASURES

08

BRITISH INDIA;

TOMOTERS WITH

CHRONOLOGICAL TABLES AND GENEALOGICAL LISTS,

SATES EXPENSES OF

INDIA AND OTHER KINGDOMS OF ASIA.

BY THE LOSS

JAMES PRINSEP, E.R.S.,

DURANTER TO THE MEATING WHENTY OF MINISTER

STUTED,

WITH NOTES, AND ADDITIONAL MATTER,

PE.

EDWARD THOMAS.

DAYS OF THE MENDAL STEEL SERVICE; MENDER OF THE ASSAULT INCIDENCE OF COLUMNS, AND VALUE.

LONDON: JOHN MURBAY, ALBEMARLE STREET. 1858.

PREFACE.

Is putting forth this New Edition of Prinsep's Useful Tables, I may confidently appeal to the sterling value of the work, and the appreciation with which it has previously been received by the public in India, as evinced in reprints, partial and entire, issued at Calcutta and elsewhere.

My task as Editor has been limited to bringing up the Monetary Tables to the latest possible date, the occasional insertion of Notes, and the incorporation of such additional Dynastic Lists as characed to be accessible in this country. The orthography of the Oriental names has usually been reproduced literation after the original printed text, wherein they are found to vary to the extent that might have been anticipated consequent on the assemblage of the component materials from the works of various European commentators, who each followed his own method of transliteration, and who, for the most part, wrote before we had arrived at even the present indeterminate stage in the system of the transcription of Eastern tangues which Sir William Jones so meritoriously inaugurated.

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USEFUL TABLES,

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BRITISH INDIAN MONETARY SYSTEM AS ESTABLISHED BY REGULATION VII. OF 1833 [OF THE BENGAL GOVERNMENT.]

Silver is the legally constituted medium of exchange in all money transactions throughout the British Indian possessions. Gold coin is a legal tender, at a fixed value of sixteen rapees for the gold muhr! of Calcutta, and fifteen rupers for the gold muhr of Madme and Bombay; but it is not demandable in payment, and is left to find its current value in the market. Copper coin is only a legal tender at the established rate of sixty-four paiss? to the rupes, on payments falling short of one rupes.

The rupee is, then, the unit or standard measure of value throughout India, and by the Regulation lately passed, a perfect assimilation in weight and fineness has been effected in this unit of currency of the three Presidencies, so that the rupee of Upper India, of Madras, and of Bombay are now identical in value. From this uniformity are excepted the three provinces of Bengal Proper, Bahár, and Orissa; in which the Murshidábádi or sikká rupee still continues to be the legal currency; but the relation of one coin to the other is now reduced to great simplicity, one Farrukhábád, Madras, or Bombay rupee being precisely equal to fifteen ánás sikká.

^{*} If the point of the state of the coining die is too.

The following table exhibits the scheme of the British Indian monetary system:

GOLD MUSIC		BUPEL	îxî,	PARIÁ	201
CALCUTTA	1	10	250	1024	3072
MADSAN AND BOIDAY	4	1.5	240	960	2880
		1	3.0	64	192
		- 1	1	- 4	12
				1	3

Small shells, called knuris, are also made use of for fractional payments, and are reckoned as follows: but their value is subject to considerable fluctuation, and they are now nearly superacided by the supper correctly.

4	Kauris	nake mirror	· nessessessi	1	Garala.4
20	Gandas	***********	**********	1	Pun.

DESCRIPTION OF THE CURRENT COINS.

The inscriptions upon the Company's gold and silver coins are in Persian, as follows:

Onverse of the sikks rupes strack at the Calcutta mint.

"Defender of the Mujoromedan Scith, Reflection of Divine eguellenes, the Emperov Shith 'Alam has struck this own to be correct throughout the seven climes."

The rupes of the Western provinces, coined at the late mints of Farrukhábád and Benáres, and now at the mint of Ságur, bears the same inscription on the obverse. On the reverse the date and place of coinage are different:—

The several varieties of coin, produced by modifications of weight, standard, or die, from time to time in the Calcutta and subordinate mints of the Bengal Presidency, from their all bearing the same legend and date, are not easily recognized but by an experienced money-changer. As, however, different regulations regarding deficiency of

weight, etc., apply to the coins of the old and new standard, it is convenient to point out a mode of discriminating them.

1. The old standard sikks rupee of 1793-1816 has an oblique

milling.

The new standard sikki rupce of 1818-1832 has a straight milling.

The new sikki rupee, struck under the present regulation, has a

plain edge, without milling, and a dotted rim on the face.

The distinctions of the oblique and straight milling apply also to the old and new gold mahr. Of the up-country or Farrukhábád coins:—

 The old standard Farrukhábád rupec (or '45th Sun Lucknow rupec' of Reg. XLV, 1803) has an oblique milling.

5. The Benires rupee, coined 1806-1819, has also an oblique milling.

 The new standard Farrukhahád rupes, coined at the Farrukhábád mint, 1819-24, and at the Benares mint, 1819-30, and now at the Ságar mint, has an upright milling.

7. The Farrakhábád rupte, coined under the new regulation at the

Calcutta mint, has a plain edge, and a plain rim on the face.

The coins struck before 1793, at the old mints of Pains, Murshidibid, and Decra, the Renarcs rupec anterior to 1506, and the coins of all the Native independent states, are known by their having no milling. The Company's coin up the country is thus generally called kalder! 'milled, or made by machinery', in contradistinction to the unmilled or native coins, which are fashioned and stamped with the hammer and anvil.

The Madras rupee has a dotted rim on the face, and an indented cord-milling: that coined in Calcutta has an upright milled edge; it has the symbol of a rose on the obverse. The inscriptions are as follows:—

بكة مبارك بادشاه غازي عزيزالدين محمد عالمكير

"The ampicious coin of the noble Menarch, Asiz-ed-din Muhammad 'Alamgir !" (the father of Shah 'Alam.)

نرب ازگات منه ۲۰ جلوس میعنت مانوس

"Struck at Arkan in the 20th year of his propitious roign."

The Bombay coin has new a plain edge and the following legend :

سكة مبارك شاه عالم بادشاه غازي ١٢١٥

"The ampleions coin of the great Emperor, Shih 'Alam, 1216."

- فرب سورت سنه ۱۳۹ جلوس میمنت مانوس
"Struck at Strat in the 45th year of his propertions roign."

COFFER COINS.

The inscription on the Calcutta paisa is, on the ouverse: سنه جلوس ۳۷ شاه عالم بادشاه "In the 37th year of the reign of the Emperor, Shah 'Alam."

On the acvence: अर् भादे जिला कें प्रेट एक् पाई सिका "One part sibbs."

In Bengili, Persian, and Nagari characters. Screeted rim on the

face and plain-edge milling.

The new double-paist or half-and piece has on one side merely the words 'half-ana,' in English and Bengill: on the reverse, the same in Persian and Nagari. The pa's or third of a paisa has in the same manner merely the name 'one pa'i, which makes it liable to be confounded with the 'one pa'i sikki, and on this account, perhaps, it has not found ready currency. The natives reckon only exty-four paisa to the rupec, while English accounts divide the ana into twelve pa'i; to distinguish them, this latter (hitherto an imaginary coin), was called the pa's of account.

At Madras and Bombay an English device has been introduced for the copper coinage; on one side, the East India Company's arms; on the other, in the Bombay coin, a pair of scales, surmounted with the name of the coin in English; below, the word Jaz 'adal, 'justice,' in Arabic, and the Hijes date also in Arabic numerals. The Madras paisá coined in England in 1803, has, on the reverse, its value according to the old system 'XX. cosb;" and in Persian, اليست كاس جهار " But has chahar fallie ast, "twenty has make four fale." It weighs 180 grains (one tola?), and the half and quarter in proportion.

The principal object in this place being to show the present state of the currency and the existing mint regulations, it is unnecessary to detail the various alterations which have been made from time to time in the menetary systems of the three Presidencies, of which a sketch will hereafter be given as an introduction to the General Table of Indian Coins.

The adoption of a general pictorial impression for all the coins of the British possessions in India, in lieu of the present anomalous system, has frequently engaged the attention of the Government here and at home; and it is hoped, now that the new mints of Calcutta and Rombay are perfectly capable of easenting such a design, and the prior measure of equalizing the standards of the three Presidencies has been carried into effect, that the unhappy tissue of mis-statements as to names, places, and dates, exposed in the above list, will give place to a device at once worthy of the British name, and affording better security against fraudulent imitation.

WEIGHT AND ASSAY OF THE COINS.

GOLD COUNT.

The privilege of coining gold in the Bengal Presidency is limited to the mint of Calcutta, where gold makes of two standards are now coined: the ashrafi[†] or Murshidábád gold make, which maintains a high degree of parity (99½ touch) has a weight of 190-895 grains troy. The new standard gold make of 1819 contains one-twelfth of alloy. The absolute quantity of pure metal was then reduced in a trifling degree to adjust the ratio of its value to that of silver as fifteen to one.² The new gold muke therefore weighs sixteen-lifteenths of a rupes, and passes by authority for sixteen rupees, but the ratio of gold to silver has been of late years higher in the Calcutta market, especially for the purer coins, so that the new muke generally passes for sixteen

المعامد اشرق + ا

In the English sains the ratio is 14.287 to 1—in the Franch money as 10.5 to 1. (In continuation of this subject, I entract from the 'Numbershie Chronicle' some remarks of my own, in regard to the relative value of gold and silver in India, at the commensument of the Mogani rale 'The authoritative refersu of the coinage, effected by Shir Shah (a.w. 946—962—a.u. 1639 to 1845), appears by internal avidance to have been accompanied by a revision and re-adjustment of the relative value of the lower metals, cilver and supper. There are no positive data to show at what rate silver exchanged against gold in the time of Shir Shah; but an examination of Abol-fail's description of the coin rates of the great Abbar, who succeeded to the throne in 1858, a.u., discloses the very energetted proportion of gold to silver as 1 to 9.4 | I obtain this result from a comparison of the intrinsic contents assigned to four several descriptions of gold coins in the 'Ayla-i Abbari, as contrasted with the corresponding total weight of the allver unacy defined by the same authority as their exchangeable value. I understand both gold and alver to have been pure. Actual assay shows Akbar's gold usins to have been totally smalloyed, and Abol-fazl binnelf directly asserts that the silver mod in his master's coinage was pure.

I append an outline of my data on this head !-

let.—Chagul, weight in gold T. 3, M. 0, R. 51-30 Re. of 114 muchos such : 649,84 :: 172.5 × 30 (5175.6) : 1 : 9.4118

2nd,—Affabi, gold, weight T. 1, M. Z. H. 42-12 Ra : 218,90 :: 172.5 × 12 (2070'0) : 1 :: 9.4503.

3rd — Hahl, gold, weight M. 12, R. 12—10 Bs. : 183.28 :: 172-5 = 16 (1725-6) : I :: 9.4118.

4th.—'Adi Gutkak, gold, weight 11 mlahas—9 Re.: 165:: 172.5 x 0 (1552-5): 1:: 0.40909.

(The common talk of 180 gr., mashs of 15 gr., and ratt of 1.875 gr. have been used in these calculations).

Annexed are the relative proportions of those several denominations of coins, as given by Abul-fazl—extracted verbatim from an excellent MS, of his 'Ayin-i Akbari.' And to complete the original details of the entire subject for those who may desire to

to seventeen, and the old gold make for seventeen to eighteen, sikká rupees. When originally esined, both of these moneys were at a discount.

The proportion of fifteen to one is also adopted in the gold rupees of Madras and Bombay, which are coined of the same weight as the silver money of those Presidencies, and pass current for fifteen silver rupees.

The weights and purity of the gold coins are as follows:-

hinsicipation,	Pare pat.	Africa.	Weight to	Weight in toda.	Sepal value.
Old Calcutta neabr, with	189,4007	1,6915	120,855	1.066	is sikk
New standard gold mahr, a with a straight milling	187.651	17.000	204.710	1.187	raposs.
Madras and Hombay new p	166	16	180	1,900	15 rupses.

examine them, I also subjoin the limper equivalents, further determining the actual value of the silver coins.

چگل بشم چیم وکاف فاریے و سکون لام چهار گوشه سه تولیجه به سرخه دراید قسمت سر درایده

آفتای گرد ـ بوزن یکنولچه دو ماشه و پنج سرخ ربح کم . بها . دوازده رو بیه

الهي (لعل جلالي ana)گرد ۽ دوازدہ جاشه دو سرخ ربع کم آفتاہے منفوش ارج دہ روپیہ

عدل گشکه بفتح عین و سکون دال والم و قم کاف فارسے و سکون تای فوفانے هندی و فتح کاف وها، مکتوب یازده ماشکی قیمت نه روپیه روپیه سیمین نقدیست گرد یازده و نیم ماشکی در زمان شیر خان پدید آمد

از چهل دام اگرچه نرخ افزون و کم شود لیکن در مواجب این قیمب اعتبار رود

جلاله جهارگوشه . . در وزن و تقش چون خمستین روپیه سه گونه روای داشت اول جهار گوشه پاک سیم بوزن یازده و نیم ماشهٔ جلاله نام ارز جهل دام [E.T.

¹ This coin is inserted, contrary to rule, because its fabrication is still permitted at the Calcutta mint, for the convenience of the merchants; on it bears a higher value, proportionally, in the market than the new mahr.

Half and quarter gold muhrs are esized of proportionate weight to the above.

The pageds of Madras and the old gold make of Bombay will find their place in the General Table of Coins.

SILVER COINS.

The weight, fineness, and relative value of the silver coins established by the new regulation are as follows:—

DESCRIPATION.	Fire stine. Yee grains.	After. Trop gentus.	Watght in trop grates.	Weight in
Calcutta mkkh rapes	176	10	192	1,0666
gar, Madras, or Bombay	168	18	180	1,000

Eight-and pieces (dth-anni*) and four-and pieces (suld* or chauanni*) are struck of proportiouste weight to each of the above coins.

The standard quality of the metal is eleven-twelfths of pure silver to one-twelfth of alloy.

The conversion of sikká into Farrukhábid rupees and vice coved may be effected in the simplest manner by the following rules, which obvinte the necessity of providing tables for the purpose.

Reas First .—To convert Farrukhábád rupces into sikká rupces ;— Deduct one-sixteenth of the amount of the Farrukhábád rupces from that amount, and the result will be their equivalent in sikkás.

Rela Second.—To convert tikks represented Farrukhálád, Medras, or Bombay rupees:—Add one-fifteenth of the amount of the sikkás to that amount, and the result will be the equivalent in Farrukhábád, Madras, or Bombay rupees.

To avoid confusion here, the weights and values of the former currencies of the Company, which differ in a small degree from the foregoing scale, as well as those of the existing currencies of the Native States, will be inserted in the General Table before alluded to.

All silver money of the new standard (with a straight milling or a plain edge), is considered by law as of full weight until it has lost by wear or otherwise two pa'l in the rupes; or, in round terms, one per cent.

Coins of the old standard (with the oblique milling) remain subject to the provision of Regulation LXL, 1795, which allows them to remain a legal tender until they have lost only six anas per cent.

The limits of weight are, therefore, as follows :-

	Original weight.	Allowance for wear.	Musique weight.	Min. weight of 100 pupers.
Old eikkā or Murshidābid ruper	179.666 grs.	6 Ania per et.	179 grs.	99,44 tolás
New nikka rapse	193 gre.	S ph's p. rup.	190 grs.	105.58 tella
Parrukhahad, old rupes	173 grs.	fi. delar p. st.	177,352	95.75 tolar
a new rupes	389 grs	2 ph'i p. rop.	178.125	99. tolás

Light-weight rupees are rescived by Government officers as bullion, the deficiency from standard weight being made good by the payer.

COPYER COLVA-

The copper coins of Bengal and Bembay are new equalized in weight, and are as follows:—

Sec.	grains.		Value,
The half-had piece	500	- 6	ph'i of account
The pairs (marked one ph') sikks)	100	- 8	ditto
The ph'i of account	331	- 1	ditte

By Hegulation XXV, of 1817, Sect. 5, copper paisé, struck at the Benares mint, weighing 98½ grains, which were intended at first (vide Reg. VII. 1814), for circulation in the province of Benares only, and were distinguished with a trident or trival, the symbol of Siva, were made current throughout the Bengal provinces at par with the Calcutta and Furrukhábád paisi.

CHUNAGE DUTY OR SEIGNORAGE.

All the Company's mints are open to the reception of gold and silver bullion for coinage on private account. The following is the course of proceeding adopted in the Calcutta mint:—after examination by the processes of cutting and burning, to assortain that there is no fraudulent admixture, the proprietor takes a receipt from the Mint-Master for the weight of his bullion.—A specimen is then taken for assay, and after that operation the mint receipt is exchanged, at the Assay Office, for a certificate of the standard value of the bullion in gold or silver money. This certificate is convertible into cash at the Treasury as soon as the new coin may be transmitted thither from the mint.

ا ترسول (चियुना) * Except the Sager Mint, which coins silver only.

A deduction is made from the assay produce of bullion to cover the expenses of coinage, which vary at the different mints as follows:

At the Calcutta mint		2 per cent. 2 ditto.
[If required in halves and quarter these Mints.]	s, an additional	duty of one per cent, is levied at
At the Madeus mint? At the Bombey mint?	2 per cent. 24 dista.	a ditta now 2 per cent.

On the re-coinage of rupees struck at the Company's mints of the Bengal Presidency, a charge of one per cent, only is levied.

The rates of seignorage at Bombay and Madras include the charge for refinage; for which a separate charge is made in the Calcutta and Sagar mints, on under-standard bullion only, at the rate of 0.4 per cent, per pennyweight of worseness in the usesy: (unless such inferior bullion is required for the purposes of alligation at the mint, when the charge may be remitted on the authority of the Mint Master).

The following is a table of refined charges :-

Amy.	neducing charge per cent.	Amer	Bulleting strange per seed.	Amay.	And many country to come the country to country to come the country to come the country to come the countr	Ameg.	dedning charge per cont
of Wo.	0.02	100	0.26	V. 100	0,50	155 Wo.	0.74
1 Wo.	0.04	7 We	0,25	13 Wo.	9.52	19 Wo.	0.76
14 Wu.	0.00	74 Wa.	0.30	134 Wa.	0.54	19 Wo.	0.78
4 Wo.	0.06	8 Way	0.32	14. Wa.	0.00	30 Wa.	0.60
24 Wo.	0.10	84 We.	0.34	146 We.	0.48	201 We.	0.82
Wo.	0.12	9 We.	0.36	15 We.	9,60	21 Wo.	0.64
34 Wo.	0.14	54 Wa.	0,40	153 Wo.	0.62	216 Wo.	0.86
4 Wo.	0.16	10 We.	0,40	16 Wa.	0.04	22 Wa.	0.88
44 Wo.	0.18	104 We-	0.43	161 Wu.	0.66	224 Wo.	0.90
6 Wo.	0.20	11 Wo.	0,44	17 Wa	0,69	23 Wo.	0.92
64 Wo.	0.22	114 Wa.	0.45	175 Wa.	0.70	23# Wa.	0.94
6 Wo.	0.24	12 Wa.	0.45	15 We.	0.72	24 We.	0.96

And so on for silver of inferior quality. By the practice of the Calcutta mist, the charge for refeage is smally remitted up to 6 Wo.; at the Sagar mint, it is levied on all denominations of builden inferior to standard.

The next two tables, for calculating the intrinsic or assay produce of bullion, are applicable to all the Company's mints, where the tolk weight has been adopted.

¹ These two are inserted on the authority of Kelly's 'Cambiet;' it seems very advisable that the charges should be equalised at the three Presidency mints, as otherwise the desired antifermity of value cannot be maintained.

Table of the Intrinsic or Amay Produce of Silver Bullion in Farrukhahad and Calcutta rupess, from the 1st of May, 1833.

Weacht of Sulfator In total or sets weight	Amen's Baparis	Yourk, or day sliver, in int parts.	Produce in Farre- late of A Madrae. or Bandan Ea	Prediate for Calculta or slicks repeats	Wought of buffers to believe selve weight,	Army Reports	Youth, or fine adver, in the public	Produce in Parru- authod, Matras, ist Bocokes ruppes	Produce in Calcutta or sikki cupous
100	30 Br. 194 Br. 18 Br. 194 Br. 197 Br. 171 Br. 171 Br. 16 Br. 16 Br.	100,000 90,790 90,583 90,167 90,167 98,958 58,750 98,750 98,300 98,123	100,001 108,564 108,680 103,500 108,180 107,787 107,787 107,787 107,000 107,273 107,045	1861.873 1861.890 181.845 181.633 301.431 181.294 180.294 180.294 180.468 180.355	300	51 Wo. 64 Wo. 71 Wo. 71 Wo. 69 Wo. 9 Wo.	80.083 80.375 80.107 88.955 86.700 86.543 56.333 56.155 67.517 87.700	97.727 37.500 97.275 97.046 96.818 96.591 96.364 96.136 96.082	91 689 91 406 91 193 90 981 90 707 90 341 90 341 90 341 90 313 80 703
	15 Be, 144 Be, 144 Be, 143 Be, 142 Br, 121 Be, 121 Be, 110 Be, 100 Be,	97.517 97.708 97.160 97.308 97.308 96.875 96.617 96.418 96.266 96.042	100.519. 100.301 100.301 106.130 346.500 186.600 186.405 166.327 106.000 104.773	100.142 90.929 90.716 39.592 90.770 90.077 95.894 98.406 98.407 98.407	- construction	10 We 11 We 12 We 12 We 12 We 13 We 15 We	67.694 61.675 61.667 61.453 87.250 81.042 85.834	95.455 96.227 10.000 14.773 14.646 94.318 94.991 93.854 98.536 18.469	RQ 490 RQ 276 RQ 276 RQ 250 RG 423 RG 210 RG 250 RG 7.64 RG 7.671
	10 Br. 9 Br. 9 Br. 8 Br. 8 Br. 7 Br. 7 Br. 6 Br. 6 Br. 54 Br. 54 Br.	96,853 96,625 96,417 96,208 96,000 94,795 94,653 94,165 94,167 93,966	104.543 104.519 104.601 105.564 107.600 107.193 107.195 107.727 107.500	98.001 97.798 97.895 97.479 97.130 96.946 96.520 96.520 96.004		15) Wo	94.575 94.375 94.367 83.569 93.760	98,385 98,055 98,787 92,500 92,278 92,645 91,818 91,891 91,364 91,364	87,858 87,145 80,719 80,506 86,296 86,070 85,867 85,654 85,440
*********	5 Be. 4 Be. 34 Be. 20 Be. 14 Be. 1 B	93,750 93,542 95,855 98,125 92,917 92,708 92,500 92,292 92,083 91,875	105.278 105.045 105.856 105.205 105.205 105.200 100.200 100.000 100.000 100.000 100.000 100.000	03.591 16.607 56.454 56.241 55.029 14.816 94.021 94.176 52.962	oromo	EL WO	65,7835 86,125, 80,017 82,798 82,599 82,298 81,683 61,875, #1,017 81,458	90,900 101,691 191,454 90,257 90,000 80,773 80,345 80,345 80,361 80,361	65.227 65.01A 94.501 94.588 64.576 81.362 83.736 63.736 63.736 63.736
*********	Wa. Wa. 1 Wa. 1 Wa. 1 Wa. 2 Wa. 2 Wa. 3 Wa. 3 Wa. 4 Wa.	91,956 91,950 91,942 96,933 96,635 96,417 96,208 96,000	100,000 90,773 90,545 90,801 96,636 96,636 98,809 98,182 97,165	93.750 (0.537 93.333 93.111 93.586 94.695 (0.471 92.288 92.000 91.833	*********	25 We 26 We 27 We 27 We 28 We 28 We 29 We 20 We	81.250 81.043 80.835 80.625 80.427 90.208 80.909 70.583 79.875 79.107	68,GM 96,409 89 190 87,955 87,966 87,273 87,860 87,273 87,046 88,618 96,864	66.007 65.884 95.071 92.408 82.244 82.032 81.839 81.995 84.179 80.972

Table of the Intrinsic or Assay Produce of Gold Bullion in Calcutta gold weeker and Bombay gold rupees.

Weight of building	Assay to carein and grains,	Porada, or puso golf, in 100 parts.	Intrinsic products in table or in Medica and Bear has good station.	Products to new Calcutta gold suchry of 24,710 grades.	Profisor in citi sale mehre of 195,611 grains.	Weight of bullion in tolds.	danny in chrois and grains	Treasts, us pure gold in 500 parts.	Detransio produce in tolkie, or in Kadesa and Bom- tag gold medies.	Frontain to new Colestia prid muhra si 28,710 gradas.
100	2 0 Br. 1 3 Br.	100,000 19,740 99,279 90,510 96,566 98,407 98,177	106.091 108.861 108.665 106.259 107.676 107.186 107.186	96.908 96.405 96.405 96.173 94.904 94.914 94.174	95.083 94.787 94.040 94.945 94.945 93.798 98.560 98.365	100	1 0 Wo. 1 0 Wo. 1 1 Wo.	87.389 86.979 86.719 86.458 86.196 86.927	95,454 96,170 94,846 94,602 94,318 94,084 93,750 93,466	83,683 83,683 83,438 83,183 82,983 82,685 82,484 62,164
********	1 # Br. 1 14 Br. 1 14 Br. 1 14 Br. 1 1 Br. 1 0 Br. 1 0 Br.	97.917 97.666 97.866 97.153 96.578 96.616 96.554 98.864	196,534 196,534 196,559 196,960 196,463 196,509 196,114 194,539	85,954 60,075 76,476 95,176 76,975 76,476 76,476	93.858 90.806 90.500 90.513 91.658 91.576 91.255	Section 2	1 31 Wo.	81,596 94,596 84,635 84,575 84,118 83,854	93.182 92.896 92.614 99.890 91.646 91.761 91.477 91.198	81.084 81.084 81.484 61.183 80,035 80,430 80,185
	1 8 Br. 0 3 Br. 0 3 Br. 0 4 Br. 0 2 Br. 0 2 Br. 0 2 Br.	95.838 95.818 95.852 94.792 94.551 94.571 94.510	194,543 184,979 180,979 180,690 185,690 186,125 186,841 186,557	91-956 91-970 91-428 91-177 91-177 91-428 90-177	eld standard (5	TAXABLE !	Ta Wa Ta Wa	81.073 60.615 83.663 83.861 82.861 51.770	90,909 90,625 96,841 96,657 80,773 80,480 81,284 86,958	79,686 79,686 79,486 79,186 78,086 78,687 78,487 78,167
******	0 2 Br. 0 14 Br. 0 14 Br. 0 15 Br. 0 1 Br. 0 0 Br. 0 0 Br.	98,759 98,489 98,529 98,569 99,448 99,167 91,997	1002.278 101.569 101.704 101.130 101.130 100.662 100.668 100.254	99,000 99,000 99,000 98,176 98,170 98,470 98,470 98,470 98,470	rable for ectnion in	Domesti .	2 3 Wo. 2 5 Wo. 3 2 Wo.	90.729 86.4/3 89.195 79.948 79.667	88.606 85.353 86.668 87.784 校 380 67.216 96.665	77,487 77,438 77,438 77,198 76,936 76,438 76,189
	Standard. 0 01 Wo. 0 01 Wo. 0 02 Wo. 0 1 Wo. 0 14 Wo. 0 14 Wo. 0 14 Wo.	91,466 91,156 96,886 96,825 96,365 96,104	96,716 96,413 96,148 96,864 96,879 96,896 96,611	57,585 67,470 67,430 67,130 86,100 86,620 86,130	quality is net receive	Gunner	3 0 We, 3 6 We, 5 6 We, 5 6 We, 9 1 We, 9 1 We, 3 1 We, 3 1 We, 3 1 We,	78.646 78.685 78.685 77.864 77.864	96,364 96,070 86,736 81,511 83,997 64,543 84,659 54,878	75.030 75.689 75.439 76.189 74.940 74.694 74.440 74.190
*******	0 2 Wo. 0 24 Wo. 0 31 Wo. 0 5 Wo. 0 5 Wo. 0 81 Wo. 0 31 Wo.	88.900 88.541 89.381 88.001	97,797 97,448 97,159 96,873 96,591 96,663 95,789	85.601 85.601 85.401 86.381 84.003 84.600 84.400 84.400 84.400	Gold of inferior	VIIII	TENTO	76.562 76.562 76.642 75.531 75.531 75.360	84.401 51.907 53.103 83.550 82.954 82.676 82.895 82.102 81.518	78.940 78.691 78.441 78.191 72.941 72.445 72.193 71.942

The refining charges on under-standard gold as applied at Calcutta are as follows:—

		HEAT;	W.			DOT.	gr.		
From	Lifetonettiine	0	01	Wn.	50	1	1	Wo.	# per cent.
From		1.	47	Wo.	50	- 2	2	Wo.	1 per cent.
Pron	recommendate of	3	25	Wo.	Do	2	3	Wo.	14 per cent.
From	and the same	3.	10	Wo.	tio		0	Wo	2 per cent.
From		5	ol	Wa.	ter				24 per cent., etc.

For old standard muhrs, merchants are obliged to bring their gold

already refined to the requisite degree of purity.

The produce of any weight, in tohic, of useayed bullion is found by multiplying it by the number opposite to the assay in the proper column (of sikks or Farrukhahid ropes, or new or gold muhrs, as the case may be), and dividing by 100. To find the pure contents, the number in the third solumn or touch, must be taken as the multiplier. For example:—

6452 tolds of refined cuke silver reported, on among to be 154 dwts. Hr. yield in sikkii rupces, 5452 × 100,255 ÷ 100 = 5451,254, or st. rupos 5451 4 1.

II. 1200 telds of dellars at 5 We, contain of pure silver 1200 imes 99.583 + 100

- 1076 tellis pare.

III. 100 twenty frame-pieces, weighing 55:319 talks, at 0.11 c. grs. Wo. yield 55,319 × 66:430 - 100 = 47.812 new gold anthra.

These tables, and, indeed, all that are inserted in the present paper, express the fractions of the rupee, or of the tola, in decimals. For converting this expression late the ordinary division of seas and pa's, and vice versi, the following table will be found very convenient, and of constant application in monetary calculations.

Tanta for reducing Anie and Phils into decimal parts of a Rugar.

1 dad = 0.0625.

ÁHÁR.	0	1	9	-3	1.	5	0	7		10	10	11 pa
0	.0000	,0052	0104	0156	9200	JA260	9312	Loans	0417	0469	0523	0573
8	.0024	,0677	9729	97 KI	0833	.0885	MOT	,098wi	1002	1094	1146	1198
2	.1250	1500	.1354	1466	.1459	1510	1002	1615	1007	1710	1771	1823
3	1875	.1927	.1979	2021	,2063	2135	ELECT.	.2240	2292	2344	2396	2448
4	2500	2442	260+	9650	2768	2780	2812	2464	2917	2969	2021	3073
5	31.25	3117	.3229	3756	.3335	\$185	2437	3489	.5542	35/04	36411	3698
- 6	.3750	3802	.3854	, STMIN	,3559	4010	1067	4113	4167	4219	4271	4328
7	4375	4427	4479	4531	1585	4683	4657	4746	4792	4854	4990	4945
8	.5000	8051	5104	3150	5299	3250	5312	5365	5917	5460	8821	5573
0	56'85	.0077	,6729	6781	5853	.6886	5957	,5990	6842	60094	:61.46	6198
10	.0250	8302	6354	.6406	6459	6550	6562	,6615,	.0667	6719	6771	6823
11	,687.6	6927	.0979	7931	7885	7165	7187	.7240	.7292	7244	7398	7448
12	7500	7553	7004	7656	7708	7760	7812	7861	7917	7909	8021	8073
13								,8196				
14	8750	8802	NS54	_8906	.8948	.9010	9962	.9116	.9167	9219	.9270	9323
15	.937.5	9427	.9470	.9532	9583	,9635	9687	9740	19757	9844	9890	9948

EXCHANGES.

For the conversion of the rupee into the equivalent currency of other nations, it is necessary to take into consideration the fluctuating relative value of the precious metals taker as, from the circumstance of gold being in some, and silver in others, the legal medium of circulation.

It is also necessary to take account of the mint charge for coining at each place, which adds a fictitious value to the local coin. The 'par of exchange' is, for these reasons, a somewhat ambiguous term, requiring to be distinguished under two more definite denominations. Let, the 'intrinsic par,' which represents that case in which the pure metal contained in the parallel denominations of coins is equal. 2nd, the 'commercial par,' or that case in which the current value of the coin at each place (after deducting the seignorage leviable for coinage) is equal: or in other words, 'two sums of money of different countries are commercially at par, while they can purchase an equal quantity of the same kind of pure metal.'

Thus, if silver be taken from India to England, it must be sold to a bullion merchant at the market price, the proprietor receiving payment in gold (or notes convertible into it). The London mint is closed against the importer of silver; which metal has not, therefore, a minimum value in the English market fixed by the mint price: although it has so in Calcutta, where it may always be converted into coin at a charge of two per cent. On the other hand, if a remittance in gold be made from this country to England, its out-turn there is known and fixed: each new Calcutta gold multi being convertible into 1.66 or 1, sovereigns nearly; but the price of the gold multi finetuates as considerably in India as that of silver does in England, the natural tendency of commerce being to bring to an equilibrium the operations of exchange in the two metals.

The exchange between England and India has, therefore, a two-fold expression; for silver, the price of the sikka rupee in shillings and pence:—for gold, the price of the sovereign in rupees. To calculate the out-turn of a bullion remittance in either metal, recourse may be had to the following

TABLES OF ENGLISH AND INDIAN EXCHANGES.

The data for the calculation of these tables are :-

1st. One man 1 (or 100 lbs. troy) of silver (one-twelfth alloy) is coined into 3,200 Farrukhábád rupees, or into 3,000 sikká rupees, of which sixty-four and sixty respectively are taken as mint duty, being at the rate of two per cent.

2nd 100lbs troy of English standard silver (18-240ths alloy) are coined into 6,600 shillings, of which 400 are taken as seignorage or mint duty, being 4s per lb., or nearly six per cent.; but the mint is not open to the holders of silver bullion, which is only purchased through the bank when required for coinage.

3rd. The sovereign (1-12th alloy) weighs 123.25 grains troy, and no duty is charged on its coinage. 100 lbs. of pure gold yields 5098.3 sovereigns, = 3069.5 new gold muhrs, = 3041.4 old gold muhrs, = 3490.0 Madras and Bombay muhrs.

Table showing the produce of 100 sikká rupees and of 1 sikká rupee in shillings starling at London, for different quotations of the price of silost in the London price current.

of allow per truy	any factors.	Enrique pi pre silvia respec-	Scouries.			
at 6 0 0 0 5 4 5 5 5 6 2 0 1 5 0 0 4 1 1 0 4 9 4 1 7 4 6	218.018 214.714 211.418 208.105 204.805 204.805 194.605 197.391 188.298 184.681 178.378	2 23 3 18 2 1.6 2 1.0 2 0.6 9 0.2 1 11.8 1 11.4 1 11.0 1 10.0 1 10.0 1 10.2 1 9.5 1 7.4	Intrinsis par of coins, (2s. 1.04st.) Calcutta mint price of silver, (2s. 1.07st.) commer- cial parce exchange (2s. 0.58st.) London mint price of silver, (5s. 2st.)			

Table showing the produce of 100 Farrathibid, Sigar, Sonat, Madras, or Bombay region (or 100 tolds) of Hongal standard silver (oneticelfth alloy), in shillings and the consequent rate of exchange.

London price of	100 Farrickished.	Enthange	Bernarks	
allow per temp	Nadam, or Biombas	per Factorial dead		
many.	region will praduce	yapon.		
5 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	204 200 204 200 201 200 105,106 105,000 102,000 188,905 188,900 182,713 179,615 176,428 173,421 170,324 167,328	2 0.5 2 0.15 1 11.8 1 11.5 1 11.1 1 10.7 1 10.3 1 10.0 1 9.6 1 9.2 1 8.9 1 8.9	lateinsic per of coise. (2s. 0.04st.) Calcutts mint price of silver. (ts. 11.51st.) commer- cial per of exchange (1s. 11.04st.) Landon mint price of silver. (4s. 2st.)	

The exchange which a bullion remittance from England to India will yield at the London prices of the first column may be found by adding two per cent. to the columns of produce: thus, at 5s. an ounce, 185.8+3.7—189.5 shillings invested in silver bullion, will produce 100 Farrukhábád rupees, and give an exchange of 1s. 10½d. per Farrukhábád rupee. The same remark applies to the above table for sikká rupee exchanges.

Tible showing the produce of a remittance to London in gold bullion or coin, and the corresponding exchange in Calcutta, Farrukhábád, Madrae, and Bombay rupses.

Calcutta price of Good Muhr.		Calcutta price of fragilals forecesses.	Calordia price of standard Gold Bullion per 100 rolds.	Intrinate products of 106 blasse repeat thus terrorad in England.	Intrinsio generates of set Farrack histories of set Internal for	in	raikht upen	Party Mi and	change per ukb shise adres. Som hay uppe.
16	in.	84 Bs. 9 613	1406 868	207.616	Shiffings. T04,640	L 2	0.91	ť.	11.35
16	2	9.708	1417,650	905,906	195 (31	2	0.72	1	11.17
16	4	9.768	1425.850	201 422	181,646	2	0.52	1	10.99
16	8	9,808	14.59.841	207.861	190,183	2	0.33	1	10.83
16		9,934	1450.802	201.028	/239.743.	2	0.15	1	10.64
16	10	10.000	3461.873	190.411	387,328	T.	11.07	X	10.48
16	12	10 084	1472,814	195,329	166,924	1	11.79	1	10.31
15	14	10.160	1483.805	198,850	184,547	T.	11,62	1	10.10
17	0	10,338	1494.797	195.468	289,120	1	11.44	1	9.98
17	2	19.310	1404.788	193.977	181,858	1	11.27	1	9.82
17		10.355	1816.779	192.471	189,535	1	11.10	1	9.00
17	- 6	10,462	1527.770	191 165	179,236	1	10,94	1	9.50
17	8	10.510	1638.761	190,920	177.956	4.	10.77	1	9.35

[The old Calcutta gold make is emitted in this table, because it bears an artificial value, 14 or 15 take higher than the new standard make.]

The above tables give intrinsic results; that is, they exclude all calculation of charges, insurance, freight, commission, etc., which are of a variable nature. It may be generally assumed, however, that four per cent., or one penny in the rupee, will cover all expenses of remittance to England, from which may be deducted a saving of six months' interest, when comparing the transaction with mercantile hills of twelve months' date.

The par of exchange with other countries may be estimated from the intrinsic and mint produce of their coins, thus:—assuming the Spanish dollar to weigh 416 grains troy, and to be five dwts, worse in assay, we have for

100 Dozzans 225.858 Pd. rupees, or deducting duty (221.341 Fd. rupees, 211.742 sikks rupees, 27.508 sikks fis.

The Spanish dollar forms also the currency of the Straits of Malacca

and of Manilla; and it is extensively known in the colonies of England,

Ceylon, the Cape, Australia, etc.

For the British colonial possessions, however, an Order of Council was promulgated on the 25rd March, 1825, extending to them the circulation of British silver and copper money, and directing all public accounts to be kept therein. Where the dallar was, either by low, fact, or practice, still a legal tender, it was to be accounted equivalent to 4s. 4d., and rise served. For the Cape of Good Hope, where the circulation consisted of paper rix-dollars, as well as a variety of other coins,—it was provided that a tender and payment of 1s. 6d in British silver money should be equivalent to the rix-dollar. The sikks rupes was to be allowed circulation at 2s. 1d. and that of Bombay at 1s. 11d., and the five-frame piece at 4s. These regulations are still in force in Coylon, Australia, Van Diemen's Land. the Cape, Maurities, and St. Helena.

PRANCE

The French kilogramme of standard silver (1-10th alloy) is coined into 200 france, and the kilogramme weighs \$5.744 tolds; therefore

| = 42,873 folia is weight, | = 42,092 Fd. rapeus, | or deducting duty | 41,250 Fd. rapeus, | = 59,462 rikh's rapeus, | of 2 per cent, | 38,675 rikh's rapeus.

The ecinage duty on silver at Paris is 14 per cent, or 4 per cent. less than in India; hence it will be found that,

100 sikká rupos realize almost precisely 250 france at the Paris mint.

Minted gold in France is worth 15½ its weight of minted silver, or
the kilogramme is coined into 155 uspoleons or twenty-franc pieces:
the seignorage on gold is only 1 per cent.

One kilogramme of pure gold yields \$1.657 gold nutice, or (deducting 2 per cent, mist thirty) 79,828 dicto, therefore

As the Chinese have no gold or silver coins, but make payments in those metals by weight, it is sufficient to state the value of the tael of the space and dollar silver usually current with them.

100 tael of (= 322.135 tells is weight = (120 or. 16 dwts. English).

Sycce-silver av. (= 344.105 Pd. rapers, | or deducting duty | 337,226 Pd. rapers.

15 dwts. Br. (= 322,662 sikki rapers, | of 2 per cent. | 316,150 sb. rapers.

100 tael of (= 314.811 Fd. rapers, | or deducting duty | 308,515 Fd. rapers, dellars 5 Wo. (= 295,135 sb. rapers, | of 2 per cent. | 289,233 sb. rapers.

The par of exchange with other places may in a similar manner be found from the table of coins.

GENERAL TABLE OF INDIAN COINS.

When it was said, at the commencement of this paper, that the rupee was the universal unit of currency throughout India, a reservation should have been made for those parts of the Peninsula where the Pagoda and Fanam still circulate. There are, in fact, two distinct systems still prevalent, the Hindú and the Musalmán; and although the former has become extinct throughout the greater part of Hindústán by the predominance of the Muhammadan power, it is transable in the old coins found at Kanauj, and other seats of ancient Hindú sovereignty, which agree nearly in weight with the coins still extent in the several potty Hindú States of Southern India.

BINDU STREET.

The unit of this system was of gold, and the old specimens found are of sixty or one hundred and twenty grains in weight: showing an evident connection with the Grecian drachma and didrachma of gold (or χρυσος and δεχρυσος) and confirming the testimony afforded by the device and symbols of old Rindú coins, of a direct descent from their Bactrian prototype.

As the Muhammadan power never gained an entire ascendancy in the Peninsula, the same system of correctly continued to be issued from the mints of a number of potty Réjahips in Malabar and the Carnatic. The principal of these were at Bangalor and Maisir, under the Ikkeri Rájá, who soined the Sadasiva bins, so called from a former Rájá. They here the figures of Siva and Parvati on one side, and a temple on the reverse. During the usurpation of Hyder Alí and Tiph, Bahádurí and Sultání bóns were struck in Maisir; the former are distinguished by a \(\tau\) the initial of Hyder's name. At Travancere also a mint has existed for a very long period, coining Auandráf húns, so called from a prince of that name. The Ikkeri and Travancere mints are the only two now in existence.

The name of this coin among Europeans is 'Pagoda,' a Portuguese appellation derived from the pyramidal temple depicted on one side of it. The proper Hindó name is Varáha,' 'wild boat,' and daubtless originated in a device of the Boar Incarnation, or Avatár, of Vishnu upon the ancient coinage of the Carnatio; for the same figure appears as the siguet of the Rájás of that country, on some old copper grants of land in the Mackenzie collection.' The Hindó name probably

्रं वराह

³ The Varsha also appears on some ancient silver coins of Orissa. See Wilson's account of coins of this type, 'Asiatic Researches,' vol. xvii. p. 586.

varied according to the image on the coin; thus we find the Rámatanka having the device of Ráma and his attendants; and the Matsya' bún of Vijayanagar with four 'fish' on the obverse. Other pagodas have Vishnu, Jagunáth, Venkateswar, etc. on them; those with three Swámis, or figures, are of the best gold, and are valued ten per cent. higher than the common pagoda.

'Hon' is the common term used by the Muhammadan writers, and indeed generally by the actives, for the pageda. It signifies 'gold' in

the old Carnatic language.

The han was subdivided into 'fanams' and 'kis.' Fanam, or more properly panam,' is identical with the word pan, known in this part of India as one of the divisions of the Hinda metrical system, now applied chiefly to a certain measure of knurs and copper money. The old fanam was of gold only, and was one-sixteenth of a han. In the 'Lilavati' we find sixteen pana—one distron, sixteen dharan—one night; where the dharan (or dharan) seems to accord with the han, which, as before said, is identiced in weight with the Greek drachma. The Ikkeri pageds still contains sixteen fanams: that of Virarii and Anandril, fourteen; and the Kalyan pageda, twenty-eight. The division adopted by the English was forty-two,

"Kas" may be a corruption of the Sanskrit word Karsha," which is mentioned in Colebrooks's 'Essay on Indian Weights," as the same with the pan: 'a Karsha, or eighty raktikas" (ratis) of copper is called a pana, or Karsha-pana'. It is now the eightieth part of a pan, but similar discrepancies are common throughout, and the simple word is all that can be identified as having survived the changes of system.

As accounts were formerly kept at Madras in this currency, the following particulars extracted from Kelly's 'Cambist' will be found useful for reference:

'According to the old system, accounts are kept in star-pagedin, fennes, and kis.

336 kin - 42 fanama - 1 pagoda.

The Company reckon twelve farams to the Arcot ruper, and three and a half rupers to the pageda. The banks exchange finetastes from thirty-five to farty-five farams per pageda, the latter being a gold coin, and the former of alver; but farams were also coined of base gold. Copper t., v., x., and xx., kis pieces were coined in England, by contract, for Madeas seemly so 1797; the xx.-kis is also called 'dodo' and 'falus.'

The star-pagoda weighs 50.56 grains, and is nineteen one-fifth carats fine: it is, therefore, intrinsically worth 7s. 5½d sterling; but it is commonly valued at 8s. Many varieties of the pagoda circulate on the Coromandel coast, which will find their places in the General Table,

In 1911 a colleage from Spanish dollars took place, consisting of double rupces, rupces, halves, and quarters; and pieces ones, two-, three-, and five-, funams; the rupce weighed 186-7 grains. A silver collage of half- and quarter-pagedus of dollar fineness also then took place; the half-pageda weighed 326-73 grains troy, and was equal to 15 Arcst rupces. By a proclamation of 7th January, 1818, the silver rupce of one hundred and eighty grains was constituted the standard coin, and all accounts and public engagements were ordered to be converted at the exchange of three hundred and fifty rupces per hundred pagesias.

The proportion between the old and new currency is therefore new 31 repect per parods; and in copper seventy-five his old currency - fourteen paich new currency.'

MUNICIPAL STREET,

The Musalmin system, of which the muhr and the rupes are the characteristic denominations of coin, assumes at the present day a multifarious appearance from the great variety in weight and value of the rupess current in different parts of India. That they have a common origin; and, in fact, that most of the rupees now issued from the Native mints of Central India are of modern date, is easily proved, since they almost all bear the impress of Shah 'Alam, like our own coin.

The silver rupes was introduced, according to Abo'l-fazl, by Shir Shih, who usurped the threne of Dihli from Humayun in the year 1542. Previous to his time, the Arabic dirham' (silver drachma), the gold dinar' (densrius suri), and the copper falis' (follis) formed the currency of the Moghul dominions. Shir Shih's rupes had, on one side, the Muhammadan creed; on the other, the emperor's name and the date in Persian; both encircled in an annular Hindi inscription. Since 'the same coin was revived and made more pure' in Akbar's reign, we may assume the original weight of the rupes from Abo'l-fazl's statement, to have been cloven and a quarter mashes'; Akbar's square rupes, called from its inscription the Jalah', was of the same weight and value. This coin was also called the Chahar-yari,' from the four friends of the prophet, Abu-bakr, Omar, Osman, 'All, whose names are inscribed on the margin. This rupes is supposed by the vulgar to have talismanic power.

Concerning the weight of the masha some difficulty prevails, as this unit now varies in different parts of India. Mr. Colebrooke makes it seventeen grains and three-eighths nearly; but the average of several gold and silver jalálás of Akbar's reign, found in good preservation, gives 15.5 grains, which also agrees better with the actual masha of

many parts of Hindestan, By this calculation the rupes originally weighed 174.4 grains troy, and was of pure silver (or such as was esteemed to be pure). The same standard was adopted by the Emperor Akbar, and accordingly we find coins of Akbar's reign dug up in

The following are the mashs weights sent home for examination in 1910, as published in that highly mobil work, Kelly's 'Cemblet':

The Putes mashs is called ... 19 5 gra, The Benires from several specializates assumption to the The Culcutta musia, by Ahmodhagur 13.703 Ecily 32.0

Puna 16.970 But probably this was a double mada.

The average of all these agrees neatly with the Akheri makks.

A gold juidle of Lither, rather worn, weight 186 %: this may be the 12h misha cein

mentioned by Abo'l fiel, which would give fifteen grains for the mislio.

I some x some incidental reformation on the surject of Shir Shih's roin-weights

and values, which I had necession to draw up some years ago. I theret the entire passage in this place, as further (Dastrative of the true weight of the notehn.

"I have previously ("Coins of Pathin Kings of Dehli," Prefere, p. vii.) assumed, from existing specimens of the selver maney of Star Shill, that the original mint standard of his rupers was calculated at an average weight of 178 grains, if not more. standard of his rupers was calculated at an average weight of 178 grains, if not more, Abid-locks at attenuent on the point, according were reitically than it has herefore been, affords a singularly close configuration of this inference. I find it reported in no less than four excellent segme of the original Persian. 'Ayin-i Akhori,' that the raper of Akhori, which was based upon that of this Shah, weighed deven and a half minhan, the same weight is assigned to those replace of the MS, to Akhoris jaidil, which is avewelly identical in value with the former, 'I mention this prominently, as Gladwin, in his translation (I. pp. 25, 25, etc.) has given above and a quarter minhan as the weight of such of these more; and Primary, in accepting Gladwin's figures, was led to place the weight of the old rapes at nearly four grains below its true standard. its true standard.

"There is some doubt as to the eract weight we are to allow to the mishin, which votied considerably in different parts of Imffa. Primary has determined the Debli mishs to be 15.5 grains, and ministing this, the result shows Shir Shik's rapes to have weighed 178.25 grains of what was estermed pure silver.

"The assignment of 15.5 grains to the Shir Shikit mishs is equally well borne out in the test afforded by Akhar's own coins. In order to avoid the very probable error

of mistaking the identical class, among three but little varying denominations of the gold coinage, to which any given specimen within our reach should belong, I confine my teference to the allier names of Akhar, which, though differing in its various initializes, in types and legends, was preserved, in effect, uniform to weight and value, Marsian has contributed on example (No. DCCCXXIV.) of a square jubbl of this Padshah, weighing 176.5 grams: had the tell at this time been fixed at 180 grains, this coin would contain four grains came than the law required; in it is, even allowing for wear, it shows a return of 15.5 grains to each of the 115 mashes of 15.5 grains, which should, under the higher scale of weights, originally have constituted its total on issue from the next.

"The adoption of this 15.5 grain masks, as a standard, necessitates a concurrent reregultion of a proportionately incremed weight in the tell to then in use, we con sourcely suppose the twelve mashes composing the talk to have aggregated 186 grains, while the talk itself remained at the 180 grains modern usage has assigned it. We have fortunately so hand a serond means of proving the question, in the due determination of the intrinsic contents of the places compassing the lower currency of the period, and the result will be found to show sufficient confirmation of the theory which places the masks of Shir Shih at 15.5, and the tolk at 186 grains trey,

[&]quot;Gladwin, "Arin-i Aklari," L. 62, 50, 70. See also note 1, p. 6.

various places, and worn, weighing from one hundred and seventy to one hundred and seventy-five grains.

Cabinet specimens of the coins of Jahangir, Shah Jahan, and Avrangzib have also an average weight of one bundred and seventy-five

Forty thins of copper, we are tald, were in Akhar's time equivalent in account, and ordinarily in exchange, to one rapes, and the dam of copper is itself defined at 0 tanks, or 1 talk 8 mashas and 7 ratis in weight. The massace of value that species of money, which at the mement when Abû'l-farl wrote, went by the name of 'Dam.' There can be but little besitation in admitting, almost primal facie on the evidence available, that the copper pieces chancel under Nos. 186, 186, Val. 2v., 'Numismatis Chronicle,' were the identical coins of Shir Shis, to which the succeeding dams of Akhar were assimilated; or, in other words, that they were in weight and value (whatever their mame) the chans of the Afghan Saithe. It is a nicer point to determine the precise contents in grains attending the original must inuse of these coins; but first taking the figures now proposed for mashes and talks, we obtain from 1 talks mashas and 7 ratis, at 186 per talk, a sum of 323,5625 grains; and then testing this return of the actual present weight of extent units, we obtain a very renormably close approximation to our figured result. It is true that the grained overage of the various existing provincial coins of this place mainted during the reigns of blur Shih and bis Afghan recomment, wealth recomment, which the care of 325,5 grains; but we have to allow a considerable per contage for loss by your in such heavy coins, aspecially composed as they are of copper, which ented would always cotinue more freely correct, and consequently such the more from the abrassion method to frequent transfers. then the correctly such continue more freely correct, and consequently such actual to the content of coins under review as having originally as intentional standard of \$28,6 grains, inaccounts as we can at the correction within the mark in alternitying the general arrives of coins under review as having originally as intentional standard or \$28,6 grains, inaccounts as we can at the correction within the mark in alternity of the coinsequency of coi

"At the same time, on the other band, it would be impossible to reduce the coins that furnish our means of trial, to saything like so low a general average as would admit of \$14 grains (or the presince of the simple 180 grains total) being received.

us the correct laser weight.

"Adopting, then, the rate of 221.5 grains as the legitimate weight of those copper pieces, forty of which exchanged against a rayon, we have a total of 12,940 grains of copper as equal to 178 grains of civer, which determines the relative value of silver to copper as 1 to 72.7. If this he a correct estimate, there were in each discover 0.20 chitals," and is the Shir Shihi rupes 371.8 chitals, instead of the old 320 divisional coins of that name and value, which went to the lighter eliver piece of former days, when also the comparative value of eliver and copper shoot at a more favourable ratio for the latter,"—E.T..]

[Colonel William Anderson, C.B., on officer who has laid extensive experience in

" (Pehlri, Jane Pires, pulsel); 2) Oboles et res quevis ebele similie, ut squama piscis, simil (Borhāni Kūtiu. Inde , n.e. Perantu defectus." — Vullers. See also 'Journal of the Asistic Society of Bengal,' vii. 808, and Pruhn's 'Recensio,' p. 207, etc. Abb'l-fast says the for older days was equal to four talks.—Gladwin's 'Ayin-i Akbari, iii. 80. Periadata again gives 1 or 12 tolks!

grains pure, and the same prevails with little variation, up to the time of Muhammad Shah, in the coins of opposite extremities of the empire; or struck in the Súbahs of Súrat, Ahmadábád, Dihlí, and Bengal.

The following are a few examp	les of this agreement:
Akbert, of Lahor 175-0 grains.	
Agra 174 0 do.	Ahmadābād, 174-2 do.
Jahangiri, Agra 174-6 do.	Dibli 174 6 do.
Allahahad 173 6 de.	Barst 175-0 4o.
- Kandahar, 173'9 do.	Lidar 174'0 do.
To which may be added from the T.	able of Coins assayed at the mint, reckening
pure contents only :	
Dihli Sonat 175 0 grains.	Daces, eld
	Muhammad Shihi 179-0 do.
Old Borst rupes 174 0 day	Ahmud Shah 172-8 do.
Murshidahad 175-9 do.	Shah 'Alam (1772) 175'8 do.
Persian rupes of 1745 1745 do.	
test a series of the series of	the state of the s

The above quotations are sufficient to show that the Moghul emperors maintained a great aniformity in the currency of their vast empire. They were also tennesons of their privilege of coining, and we find from Abu'l-fazl that gold was only allowed to be minted at Agra, Bengel, Ahmachitad (in Gujarat), and Kabul. Ten other cities were allowed to coin silver, namely, Allahabad, Surat, Dihli, Patna, Kashmir, Lahor, Multan, and Tanda: while, besides the former, twenty-eight towns of miner note were permitted to fabricate copper money, viz., Ajmir, Oudh, Attak, Alwar, Badáon, Benáres, Bhakar, Bhara, Patan, Jampur, Jalandhar, Saharanpur, Sarangpur,

connexion with Indian weights and mesores, has favored me with the subjoined

Independent results of his calculations on the general quarties.

I am inclined to consider that the weight of the ratt may be assumed, perhaps as an extreme proportion, as high as 1.03 grains, and the masts at 10.44 grains, which will give the following return for the gold, effect, and expect roins of Akbar's time :

Aftette						225	projec	le.	
	COLUMN TO SERVICE					187	do	-	
	muhr					and the second	do		
	(rilyer)						do		
	compar)						do	14	
The result tabula	ted in cor	THEOL	ned.	mes with	the	se data appy	ner or	follows :	
I III I Consider state of T	Rati	-	_				grains		
8	Ratte	-	t	Maska	-	36.61			
4	Michae	-	1	Tank	-	61.76			
3	Tanks.	-	1	Tulk	-	195.2			
1,666	Telia	_	1	Dien 1	-	307.6	44		
30	Dame	Aud	1	Ber	-	9722,0	-		
40	Sers'	-	1	Man		268,586.0	- 0		
The relative value	os of the t	setal	e p	te estima	ded b	y Colemal A	nderse	(II)	
	old to all						1	22.00	
E	Thomas Are into	-				76.0 1/	. 2.	-KTI	

'also r منكة 'gold, money, a particular species of coin.'

Sambhal, Kansuj, Rantanhhor, Hardwar, Hissar, Kalpi, Gwaliar, Gorakhpur, Kalanor, Lukhnow, Mandau, Nagor, Sirhind, Sialkot and Saronj.

The whole of the discrepancies which we new find in the rupees of various places seem to have arisen out of the disturbances and breaking up of the empire in the reigns succeeding Muhammad Sháh, when numerous mints were established by ministers and by the viceroys of the principal Súbahs who were assuming independence; and the coin was gradually debased as the confusion and exigencies of the time increased. The Maráthi and other Hindó states also established mints of their own, retaining, for form's sake, however, the Emperor's name and superscription, as a titular avewal of Dihli supremacy.

We may thus trace with telerable accuracy the causes of the difference in the currencies of our own provinces, and the happy chance which brought these of Madras, Hombay, and Farrukhábád to such close

approximation.

The extent to which the irregularities of the mints had proceeded in the turbulent reign of Shih 'Alam is thus described in the preamble of Regulation XXXV., 1795; the first which treats of usint matters:— 'The principal districts in Hengel, Behar, and Orissa had each a distinct silver currency, consisting either of nineteenth son Moorshedshadess, or old or counterfeit rupees of various years exined previous or subsequent to the Company's administration.' The circumstance of the date of coinage being inserted on the pain enabled the shroffs' to recog-

¹ [As likely to assist those who would desire to trace these names on the original coins, I subjoin an alphabetical list of Abbur's mints in the Persian character, extracted from MSS, of Abū'l-fanl's 'Ayin-i Akburi.'

BB كالنور	23 سرونج	12 يېكر	1 آگ
84 كواليار	24 سرهند	A 10	2 اجمبر
35 كوركهبور	25 سنبهل	14 يش	لا احمداباد
36 Tag	26 مورت	15 يثنه	1 126
37 لكهنو	27 سيارنيور	16 گانده	ة الور
38 mage	28 سيالكوت	17 جالندهر	ه الهباس
39 ملتان	20 تنوچ	18 جونپور	7 اودد
40 مندو	JUS 30	(Sie at) (las 19	8 اوجين
41 ناگور	31 كالي	20 دهلي	و بدارس
42 هردوار	52 كشمير	21 رنتيهور	10 بتارس
[E.T.—		22 سارنگيور	11 بنگاله

[&]quot; wered, 'a money-changer,'

nize each, and so to apply the battá' to which the known debasement of each entitled it: it was rather a convenience therefore to restrict the circulation of one species to one district, although so much deprecated in the Regulation in question. In exchanges from one place to another, there however, might be, as stated, room for much abuse among the money-dealers. The Company resolved to remedy this evil in 1793, by declaring that all rupees coined for the future should bear the impression of the nineteenth year of Sháh 'Alam, and thus, by its adoption at that early period, it has happened that the sikká rupee is the only one of their coins which retains the full value of the original Dihli rupee at the present day.

The Sarat rupce of the Moghal Emperor was in like manner about the same time adopted as the currency of the Bombay Presidency : it weighed 178.314 grains, and contained 172.4 pure, being thus nearly equal to the Dibli rapes. By an agreement of the English government with the Nawab of Sorat, the rupces coined by both were to circulate at par, and they were mutually pledged to preserve its standard. The Nawah's rupees, however, were soon found to contain 10, 12, and even 15 per cent, of alloy; in consequence of which, the Bombay rupose were melted down and re-coined at Saral; the coinage of ailver in the Sombay mint was suspended for twenty years, and the Suratis alone were seen in circulation. At length, in 1800, the Company ordered the then Súrat rupee to be struck at Bombay, and thenceforth it became fixed at 179 grains weight, 164.74 pure. The muhr was also equalized in weight thereto." Lastly, in 1829, under orders from the Home Government, the currency of the West was equalized with that of Madras, by the adaption of the one handred and eighty grain rapor and muhr.

The Arcot rapee, according to our Assay Tables, in 1788, still retained one hundred and seventy grains of pure silver, and subsequently, when coined at the mint of Fort St. George, it had a weight of 176.4 grains, or 166.477 grains pure, until the new system was introduced in 1918, and the Madras one hundred and eighty grain rupes was established. From some reason or other, perhaps from commerce between the places, the Chittagong and Ducca currency farmerly consisted of Arcot rupees; and they were for some time cuincal expressly for those districts at the Calcutta and Ducca mints; the average of many of various denominations still circulating in Chittagong agrees closely with the Farrakhābād rupee.

It would be a difficult task to unravel the progress of deterioration of the currency in the Upper Provinces, the more immediate seat of revolutions in the eighteenth century. But one instance may be given,

[&]quot; 451 And batter, 'difference or rate of exchange,'

² Kelly's Cambiat, vol. i. p. 94.

in the Najibabad rupee, as an example of the conduct of all the other mints. One hundred specimens of this species of rupee, of different dates, now current in Muradabad, were selected by the Collector of Bijnor for examination, in 1832. It may be observed, on passant, that many of the discrepancies in our Tables between coins of one denomination are doubtless owing to the neglect of noting the dates of their fabrication when sent for assay; the knowledge of the variation in value of the coins of various years, as before stated, led to the system of batta early introduced and fostered by the maney-changers, to the perplexity of assounts and money transactions, and the pullification of legislative spacetments.

The Nejfbabad mint was established by Nejfb-od-daula, the Robilla chief who exercised so powerful a sway on the fortunes of the last monarchs of Dihli. The Barelli and Chandams mints were also under his control. The rupees struck by him and by Zabita Khan were originally of the Dihli standard; few of these are new met with, as they are in demand for silver ornaments, etc. From the year 26 of Shah 'Alam (1784-5) to 48 (1801-2) they evince a gradual deterioration, both in weight and fineness. The prevince of Robillihand was, during the whole of this time, annexed to the Sabah of Oudh, as shown by the symbol of a robu ' fish on the field of the costs. The three first assays in the list are from single costs, the remainder are averages.

Weight, Assay, and Value of the Najibabad rupes, from A.D. 1778.

Inscription, the usual Shah 'Alam destich, year of reign, and Hijra date. Symbols, a fish on the obverse, a consent on the versus.

By whom snined.	of reles	True.	Ames.	in Fd. Re.
Najib-ud-daula	20 22 23	179.6	Ith Br.	101 9 8
	22	179.6	13 Dr.	102 2 4
A. T. A. S.	23	172,2	163 Br.	102 2 6
Zabita Khan	24 25 26	173.3	12 Br.	101 H 6 100 2 0
Statement of the Statem	26	172.4	9 Dr.	99 11 0
Taractura de la companya della companya della companya de la companya de la companya della compa	29	171.1	10 Br.	99 6 0
Ghulâm Kādir	30. 22	171.0	og Br.	97 10 6
The second second	22	169,5	8 Br.	97 9 6
	35	170.0	7 Br.	97 7 0
	24	170.2	64) Br.	96 14 8
	36	170.0	7 Br.	97 10 0
	37 39 Mt	1714	5 Be.	97 3 6
	41	109.5	B Br.	94 7 9
	45	199.5	Stand.	98 14 3

Thus, in the course of twenty-three years, a deterioration of nine per cent, was officied. So gradual a change, however, should rather be ascribed to the malpractices of the mint officers, than to any fraudulent intention of the government.

The Nawab-Vazir of Oudh had mints also at Lukhnaw, Benares, and Farrukhabad: in these the same process was going forward, until

arrested by the successive acquisitions of the English.

The Benáres mint had been established by Rájá Balwant Singh, under a Sanad' from Muhammad Sháh, in 1730. It remained under Native management for twenty years after the province was ceded to the Company in 1775. The rupes had the full weight of one bundred and seventy-five grains, and was 2½ per cent. better than the present rupes, or about equal to the Dihli rupes of that date. It fell in value subsequently about four ânâs per cent, and there, of course, remained under English management until it was abelished in 1819, and the Farrukhábád rupes substituted in its stead.

The Lukhnow rupes struck at the Fatchgurb mint had in like manner gradually diminished to 1852 grains pure, when the Deab was coded to the British in 1802, and when it was assumed as the standard rupes of the new berritory, under the designation of the Lukhnow forty-fifth am sikks, more commonly called the Farrukhabad

rupen.

We have thus endeavoured to trace briefly the origin of the three, or rather four, coins chosen for the circulation of the Company's territories, and have explained how it happened fortnitously that the Bombay, the Madras, and the Farrakhábád (or Sonat) rupes are nearly of the same intrinsic value.

	Fure	COSTRBER.
Arest rapec	166	grains.
	164	7
Farenkhāhād	165	2

The alteration of the standard of purity, in 1818, did not affect the proportion of pure metal, but the facility of equalizing the three coins had been observed both in England and in India; and had been the subject of frequent Minotes by the Court, by the Indian Government, by the Mint Committee, and the officers of the mint; and when Ságar mint was established in 1825, it was ordered to coin new Farrukhábád rupecs of one hundred and eighty grains weight, the same as the standard of Madras, or containing one hundred and sixty-five grains pure.

The Benáres mint alone centinued to coin Furrukháhádís of 180.234 grains until its abolition in 1829: and the Calcutta mint since coined

Nine excess, 'a grant, warrant, charter.'

¹ Bug. XI, 1805.

them of the same weight, until the opportunity was taken finally of equalising the whole by Regulation VII. 1833.

A few words are now necessary to explain the progress of debasement in the coinage of Haidaribad, Nagpor, Sagar, the Rajput and other states of Central India, as far as the imperfect data at our command will permit: they are chiefly derived from the reports of the government officers in Ajmir, Malwa, and the Narbadda provinces, to queries circulated through the Mint Committee in 1818 and 1823, when the important question of equalising the coinage of Central India was under agitntien.

We have before remarked, that none of the coins now forming the circulation of Hindústan bear any other name than that of Shah 'Alam, and although we have no perfect information of the origin or date of the mints of Puns, Nagpur, or of the principal states of Rajpotana, still we may enfely assume that, until the authority of Dihlí was annihilated, the representative of the monarch in the various Sabaha, or provinces, alone exercised the privilege of coining; and that even when it was assumed by chiertains already in actual independence, the form of a sensel or permission from the Emperor was obtained by purchase or extertion. The petty Raja of Dattish, for instance, was indignant at the supposition that he had opened his mint without authority,' and of all the chiefs within Lieut. Moody's areucy, Raja Pratap Singh of Chatrapur was the only one who could not produce his authority. The chiefs of Jhansi and Jalana cited the senction of the Peshwa: the Tahri Raja, the tacit permission of the English. No notice, however, of mints was found in any of the squads or treaties to which that officer had access.

When first established, the mints were no doubt in most cases made the source of fraudulent profit to the government, by the issue of a debased coin, which was supported at an enhanced nominal value, through the interdiction of the purer standards of neighbouring districts. A Hindá prince, or the minister who rules for him, is in general a money-dealer; thus at Kotá the executive authority has a shroff in each town, and participates in all the benefits arising out of money operations in the market. In Jaipor and Kotá there exists an usage that the currency should suffer a depreciation of one per cent, on the third year after its issue, and continue at that rate during the reign of the sovereign: on the accession of his successor, it suffers a further annual fractional depreciation, which operates to bring the whole of the circulating medium into the mint for re-ceinage. This rule does

Report of Lieut. T. Moody, agent at Bungal and Kantal, 17th February, 1284.
 Mojor J. Caulfeild, Political Agent in Harouti, 1st August, 1823.

not, however, extend to the other Rajpat states, nor does may debasement appear in the Kota rupes to warrant a censure of the system there prevailing. It is such a measure as Tantia Sindia's, who abolished the standard Ajmir currency, and instituted the debased Srisahi rupes in 1815, on a false supposition of increasing his revenue, that is so permicious in its effects: or the more inexcusable conduct of the Gwallar government, which, while maintaining the currency of the capital at a good standard, issues inferior coin at its previncial mints of Chanderf, and even coined debased Ballasihi rupesa at Garrala-Kota, in imitation of the currency of Sagar.

The list of mints which have sprang up in central India is so formidable that it is difficult to attempt any classification of them.

Mr. Wilder, in 1819, enumerates the following rupees carrent in Ajmir: old Ajmir, Srisihi, Kishnagurb, Kochanam, Chiltor, Jaipur, Hálí, Jodhpór, Oudipór, Sháhpúrah, Pratápgara, Kotá, Búndi, and Bhilwara. Mr. Maddock furnishes an equally long list from the Narbulda: - Panna, Chatrapar, Sarani, Jhansi, Chanda, Srinagar, Nagpur, Garrah-Kata, Balasahi, Rathgurh, Tahra, Bhapal, Sahagpur, Sudhaurah, Jahon, Ujjain, Isagarh. The difficulty is also increased by the threefold appellations given to come: first from the place of fabriestion, as Indee, Dijoin, Sagar proper, etc.; second, from the person issuing them, as Sindiasahi from Sindia; Balasahi, from Ralaji Pandit; Gaursahi from 'Ali Gaur, afterwards Shah 'Alam; Muti-sahi, a wellknown Allahabad coin of Mr. Achmuty; third, from some distinguishing symbol impressed on the field, as Trishli, from the 'trident' of Siva; Shamshiri, from the figure of a 'sword' on the Haidarabid coin; the Macbhlishi, and Shirshi, from the 'fish' and 'tiger' of the old and new Lukhnow rupes, etc. There are also other titles common to different localities, as Chalan, 'current'; Hill 'of the present time'; and the distinction into Sans, or different years of Shah 'Alam's reign. It should be remarked that Shahi and Sala attached to the designation of a coin have totally different meanings; the former denoting 'king,' the latter merely 'impress or stamp."

The following notes concerning the origin of particular mints, and the amount of their issue, are derived, as before stated, from the reports of Mesors. Wellesley, Molony, Wilder, Maddock, Macdonald, Caulfold, and Moody, between 1819 and 1823.

In Ajmir the Srishli ruper, coined by Tantia, formed in 1815 the principal currency; it has been partially supplanted by the Farrukh-

Maddock, 12th June, 1819.

It is, however, doubtful whether the terminal soils is not a new valgar application of shaki, the original distinction of rapecs being solely into those of different severeigns.

ábád rupce since the province came into our possession. In Kotá there are three mints, at Kotá, Jantis Patan, and Gangroun, coining on an average thirty-six lákha per sanum: the currency is not debased.

The Holkar currency of Indor, Hardá, and Maheswar, and the Ujjain rupes, are nearly at par with the Farrukhábád, but they maintain an unequal contest with the Sálimsáhí rupes, coined by the Bájá of Pratápgarb, of which there are three kinds, the jurnarea, 150 grapure; the nurmarea, 145 grs. pure, coined in 1810; and the melah of 1820, only 137 grs. pure.\(^1\) The Rájá engaged in 1821 to reform his coinege, but it has never been done.

The Bindi debased rupes is also current about Ujjain. It seems

by the Assay Table to have been reformed in 1825.

The northern parts of the Narbadda territories were supplied with a base currency struck at Jabalpar, by Nana Ghatks, in 1800; this mint was suppressed on cession to the English. The southern part (Dakhantir) had a rupee of still lower value struck at Schägpar, where a mint was established in 1810; it was abolished in 1818 by Mr. Molony.

These rupees passed at par with Chands and Nagpur rupees, the chief issue of Berar.

The Sagar mint was set up in 1779, by the Peshwa's officer at Garrah Mandiah, and soined about seventeen likks of Ralasahi rupces per annum. Its operation continued under Mr. Maddock, who, to counteract the forgery going on at Garrah, inserted the word 'Sagar' in small English characters on the die. The new Sagar mint, creeted in 1824, is now rapidly removing all the old coins from circulation.

The standard of the Marathi Government of Nagpur, to which all the neighbouring mints were, doubtless, intended to conform, presents, itself, one of the worst examples of irregularity and depreciation. Even after the establishment of a British Residency, having a nominal control over such matters, a further debasement to the extent of eight percent, is proved to have been effected, owing to the vicious policy of farming the mint to a native contractor for an annual sum of 35,000 ropees.

In the Haidarabad country, the government of the Nizam, or of his Hindú minister, has not been behind hand with its Marathi rivals in the adulteration of the local currency. The weight of the rupes (174 grains) shows its original agreement with the Dihli standard, but the pure metal is gone down to 147 grains; and by way of introducing greater confusion and vexation, there is a superior currency for the Palace and the Residency, an inferior for the city, and a hukm chalani.

¹ A. Mardonald, 13th August, 1823.

or forced token, the precise nature of which is dubious; the worst

species are struck at Narayanpat.

In Bandalkhand, the circulation consisted chiefly of Bala Rao's rupee, struck at Srimger, near Panna. This mint issued at the time of its institution, in 1794, about eighteen lakhs per sanam; but after 1819, the coinege fell to four lakes. The same prince set up a mint of Jálnon, his espital, in 1869: its issue was, at first, six lákhs, and is now diminished to one-third of that amount.

The Hansi mint of Han Ram Chand dates from 1780 : it issued three lakhs. Kuar Prutap Singh's at Chatrapur dates from 1816. It

is said that Chetre Sal used formerly to coin there.

The mints of Penni (1780) and Samter (of 1808) were on a most insignificant scale, and have been put down. The Dattish mint,

already mentioned, dates from 1784.

With a view to the reform, in part, of this complicated system, of which a few points only have been brought to view, the Government resolved on the 10th September, 4824, to abolish the Panna, Hansi, Jálson, Urcha, and Chatrapar mints, and to effect a reform of that of Pratapparh; the order was enforced in Becomber, 1826. The Bhopal Nawab also engaged to equalize his ropec with that of Indor and Ujjain, and to abolish the Bálásáhí mint. It was thought too great a step to attempt a restoration of the Nagpur and Haidarábid currencies; and as the silver in them averaged 144 grains, while that of our rupeo was 165, it was proposed to engage the Nagpur Baja to coin fourteenand pieces; and the Narbadda Commissioner was empowered to do the name for Jabalpur and Sagar: but he had already made an arrangement, which, while it relieved the ryots, served to introduce the new sixteen-and rupee with facility: this was to receive, for all settlements made in the local currency, 100 Farrukhábád rupecs for every 120 Nagporist; their intrinsic equivalent being 118). Were the same principle acted upon to the Nagpur and Haidaribad states, there could be no difficulty in accomplishing the object so much desired. As for the numerous tributary and subsidiary states, there could be no injustice in refusing them the privilege, which is of little profit, and which is in general a modern asurpation on their parts; at any rate they might be obliged to conferm to the universal standard. 'We are too apt,' says Mr. H. Mackenzie, 'to let the mere exemption from the printed code be taken as an exemption from all law, and to deay to a large portion of India the benefits it would derive from the just discharge of the duties belonging to the paramount power."

Maddock, 3rd February, 1827.

The same rate is used in paying the Bombay troops at Aumagabad, in the Govind Balbah, or Haidarabad currency.

Mint Committee Records, September, 1824.

The standard of Panni, under the Peshwi, was called the Aukusi rupee, from ankus, the instrument used by the mahout to guide the elephant; probably a symbol marked on the coin. This rupec appears from Kelly's tables to have been extensively adopted as an unit in the estimation of value and weight, probably wherever the Marathi ascendancy provailed. It is current through the Dakhan and the Konkso. The Chands rupee of Khandish circulates at par with it. In Gujarat there are several denominations of rupees, but the principal is the Bálásábí, coined at Barods.

It is not necessary to allude to the Patiyala, Bhartpur, Dig, and many other rupees, the names of which denote their origin and their place in the General Table. Still less need we advert to the Kora, Allahábád, Agra, Saháranpúr, Barellí, Kálpi, Atáwi, Mathurá, Pánipat, and other rupees, which belong more immediately to the Dihli group, coined only on particular occasions or for short periods, and the mints of which have long since disappeared from our list.

There are, however, to the eastward in Assum a distinct class of coins bearing, in a Bengali inscription, the name of the Rajas of that province, since the time of Raja Budra Singh. They present an example of good faith in these rude people, being in weight and purity equal to the former Arest rupes of Dacea, and some degree better than the present Farrukhábád rupee.

The circulating medium of Nepal is also essentially Hindu, and of such interest on that account, that we gladly avail ourselves of the permission to insert an account of the coinage of that state, drawn up by Doctor J. M. Bramley, in 1831.

COLEAGE OF NEPAL.

"The conquest of Nepal by the Goorkhas took place in the Newar year 888, corresponding with A.B. 1768. Prior to this epoch, the valley of Kathmanda was divided into three sovereignties, Patan, Bhatgaon, and Kathmandu, each governed by a Bájá: hence on the Newar coins the three series of Rajas' names are found. Those of Bhatgaou are generally (though not always) distinguished by a shell, those of Patan by a tireool, and those of Kathmandu by a sword.

"It was formerly the costom for all money current north of the valley of Nepal, so far as the boundaries of Chinese Tartary, to be coined by one or more of the Nepal Rajas, which was a source of considerable profit to them: the Bhoteshs giving them weight for weight in silver and gold dust; but this was discontinued during the reign of Ranjít Mal, the last reigning Rájá of Bhatgaen, who sent them such base coins as to occasion a decrease of nearly one-half of their intrinsic value, which was no scorer discovered by the Bhoteahs than a descrition of the mint took place, and there has been no more Bhote coinage made in Nepál. The amount contracted for on this occasion was ten lákhs of silver mohurs, exactly similar to those current in Nepál. The Bhoteahs, who now visit Nepál for trade, prefit by this spurious coin, which they take in exchange for their goods at five gandas per mular, and they pass off in their own country as of full value, or ten gandas. As the Bhoteahs have no other currency, they are compelled to cut them into belves, quarters, and eighths. They are the only coin current in Lassa.

"The old coins of the "Mals," or Newar Rajas, are much valued for their purity, and are wern by the women, strang to necklaces or armlets, as tokens in memory of their assessors.

"Since the Goorkha conquest, the Vikrama era has superseded that of Newer for ordinary purposes; and the Sáka, commonly used in Hindústán, has been introduced upon the coins. Rájú Pritinarain is the first Goorkha severeign, from whose accession a regular series may easily be obtained. The inscriptions on the present prince's coins are Sri Sri Sri Rájondra Fibrama Sak Deca, 1738; and on the reverse, Sri Sri Sri Gorakhadth Sri Bhacani.

"The gold and silver coins have the same names and divisions differing only slightly in weight.

Tukka.		Mobile.		Smith.		Asses		Pyes.		Dam.
1	-	2	-		-	16	-	80	-	600
		1	-	. 2	*	8	-	40	-	200
				1	-	- 4	-	30	-	100
						1.1	-			25

"The moher or eight-same piece is the principal man in use: it weighs 87 grains, and is therefore evidently identical with the Muhammadan half-rupes, but the quality of the metal has been much adulterated.

"The Nepalese procure all their silver from China, in the form of stamped lumps, as they are carrent in Lassa: for the Tibetane generally follow the Chinese custom in their money transactions of paying and receiving by weight, and the merchants carry scales with them for the purpose."

There are a few specimens, however, among Dr. Bramley's collection

¹ Mr. Csoma de Körös states that the English ropes circulates freely through Western Tibot.

of a Tibetan silver coinage struck at Lassa, having an inscription in both Chinese and Tibetan characters. Mr. Csoma de Körös interprets the purport of the Tibetan legend on one of these to be G'tsang palm, 'pure piece;' or, as 'G'tsang' is the name of a large province in Tibet, lying next to Nepál, it may mean 'Tsang money.' It likewise bears a name, variable on different specimens, of former Emperors of China, B'chah-H'chhin and Chhan-lung. Besides this, in letters also, the date (25, 59, 60, etc.) of the Tibetan or Chinese cycle of sixty years.

The common Chinese brass money, with a square bole in the centre, is likewise current in Lassa, as generally through the whole of the Chinese empire.

Although not quite relevant to the subject of Indian soin, still, as Chinese silver forms so considerable a portion of the bullion importation of Calcutta, we may be permitted to insert a brief account of the Chinese system, from that useful compandium, the 'Companion to the Anglo-Chinese Kalender,' for 1832

CHINESE CURAENCE.

Sycee silver, in Chinese 'Wan-yin,' is the only approach to a silver currency among the Chinese. In it the government to see and duties, and the salaries of officers, are paid; and it is also current among merchants in general. The term Sycee is derived from two Chinese words, Se-see, 'fine flow silk,' which expression is synonymous with the signification of the berm 'Wan.' This silver is formed into ingots (by the Chinese called shoes'), which are stamped with the mark of the office that issues them, and the date of their issue. The ingots are of various weights, but most commonly of ten tacks each.

Sycos silver is divided into several classes, according to its fineness and freedom from alloy: the kinds most current at Canton are the five following:—

let. Kwan-heang, 'the Hoppo's duties,' or the silver which is forwarded to the imperial treasury at Peking. This is ninety-coven to ninety-nine touch. On all the imperial duties, a certain per-centage is levied for the purpose of turning them into Sycoc of this high standard, and of conveying them to Peking without any loss in the full amount. The Hoppo, however, in all probability increases the percentage for above what is requisite, that he may be enabled to retain the remainder for himself and his dependents.

2nd. Fan-keo or Fan-foo, 'the treasurer's receipts,' or that in which the land-tax is paid. This is also of a high standard, but inferior to that of the Hoppo's duties, and being intended for use in the

[&]quot; By the natives of India पुर, 450 Lines, or 'hoofe."

province, not for conveyance to Poking, no per-centage is levied on the taxes for it.

3rd. Yuenpaou or Une-ps, literally 'chief in value.' This kind is usually imported from Souchow, in large pieces of 50 tacls each. It does not appear to belong to any particular government tax.

4th. Yen or Eem-heung, 'salt duties.' It is difficult to account for these being of so low a standard, the salt trade being entirely a

government monopoly. This class is superior only to

5th. Mut-tae or Woh-tae, the name of which, signifying 'uncleansed or unpurified,' designates it as the worst of all. It is seldom used, except for the purpose of plating, or rather washing, baser metals.

The tacl of Sycee in the East India Company's assessmits is reckaned at 6s. 8d. sterling. When assayed in Landon, this metal is frequently found to contain a small admixture of gold. Moreantile account sales give the following average out-turn of China bullion remittances to Loudon, Calcutta, and Bombay; that

100 tools of Syror yield | £316, at 6s an as. (including 11 per cent for gold, 5076 sikks, Ez., or with charges 2002 its., at Calcutts, 2235 Hombay Rs., or 3302 Rs., at Bombay.

AVA. RESCUE

The Burmese, it is well known, have no esized money, but, like the Chinese, make their payments in the precious metals by weight. Like the latter nation, also, they make use of decimal divisions in estimating the value or parity of gold and silver, and their systems of weights and measure follow the same convenient scale. We are indebted to Major Burney, Resident at Ava, for the following particulars:

Vis, Tikal, and Moo are the general terms used in the transactions of commerce and accounts: their subdivisions and multiples are—

```
1 pe or be.
2 = 1 mos.
2 = 1 mat.
5 = 2 = 1 bkwe.
10 = 4 = 2 = 1 kyst or tikal.
1000 = 400 = 200 = 100 = 1 peikina or vissom.
(100 tikals are procisely equal to 140 tolia).
```

The expressions employed by the goldsmiths in declaring the quality of bullion require a knowledge of the Burmese numerals, and a few other words:

	NUMBERS.			WHELE.	ARRAY YERNE.		
1.	Ta.	6,	Khyonk.	Shwe, gold. (Shwence, red.	Dot, hetter or above,		
2,	Misset.	7.	Khwon.	or pure gold.)	Mee, differing x or		
3.	Thoug.	8.	Shoet.	Ngwe, silver,	Meedet, better in usary.		
4.	Le.	9.	Ko.	Go or kis, load or alloy.	Mee shyonk, worse ditto.		
ō,	Ngs.	10.	Takay.	Nor, suppor. Byoo, tin.	Ma, adulterated.		

The usual weight of the small lumps of silver current in the place of coin is from twenty to thirty tikals (thirty or forty tolis): they bear a variety of names from their quality and appearance, the figures given by the action of the fire upon a thick brown coating of glaze (of the oxydes of lead and antimony) answering, in some degree, the purpose of a die impression.

Bas ' signifies 'pure' or 'touch,' and is the purest obtainable of

the Burmese process of refinage.

Kharoolat, 'shelly' or 'spiral circled,' is applied to a silver cake, with marks upon its surface, produced by the crystallization of the lead searis in the process of refinement: it is supposed to denote a particular fluences, which, by Burmese law, ought to be ten-ninths yowetnee in value, i.e., nine tikals of kharoolat pass for ten of yowetnee silver; or it should contain nineteen and a quarter ban and three-quarters

copper.

Forefass, 'red-leafed' flower or star, silver, is so named from the starry appearance of the multed litharge on its surface. Yowet is a corruption of rescal, 'leaf,' and the word is sometimes written by Europeans rowance, round, roughance, etc. Yowetnee is the government standard of Ava, and contains by law eighty-five ban and fifteen alloy per cent. Taking it at nine-tenths of purity of kharoobat, which last is 94.6 touch, its quality will be 85.2 fine; which closely accords with the legal value. The average of 60,000 tolks of yowetnee in the late Ava remittance turned out two dwiss worse (90.8), but there was a loss of more than one per cent. in multing, from the exterior seeria.

Dain, the most common form of bullion met with in circulation, is so called from an assessment, levied during the late king's reign, upon villages and houses: dain signifying 'a stage,' or distance of two miles. These cakes also weigh from twenty to thirty tikals each. Their prescribed legal quality is ten per cent. better than yowetnee, which puts this species of silver on a par with kharcobat. In practice, however, the quality varies from one to ten per cent. better (five Hc. to thirteen and a half Wo.) than Calcotta standard. The average of fifty-two likhs of dain turned out three pennyweights Br.

There is an adulterated dain silver, stated by Major Burney to be similar in quality to yowetnee, but in reality much worse (forty-two and a helf pennyweights worse) lately introduced and extensively circulated: it is made by admixture of lead, and is called Ma-dain.

The following will serve as examples of the mode of evaluating bullion:

¹ This word is synonymous with the 'Bani' of the 'Avin-i Akberi:' Benwhri is the Indian name of the teach needles used in reachly valuing the precious metals.

Dain, ko-moo-det, is Dain nine per cent, better. (See powious explanation.)

" nga-mou-det, " five per sent, hetter,

Yowetner, standard. (Eighty-five tourh.)

Kyst-ge, or in-tshay-ge, son tikal or tenth of alloy (meaning one-tenth weight of alloy added to standard).

Kyouk-takey agu-kyat-go, six tem five tikal alloy (meaning sixty-five per

cent. of alloy added).

gyan, half yowetnee (and half alloy).

Goan. The purity of gold is expressed by moos or 'tenths' only: ten moos, 'tshay moo,' (one hundred touch) being esteemed pure gold.

King's gold, or standard, is called Ka-muo-to pe-le-yowe (nine

moss, one pe, four wasts, or nine and three-quarter mose fine.

"Merchants' gold' is Ke-moo-ta-be, nine and a half moos fine. Gold makes are called eight and a balf most fine by the Ava DESAYSTS.

The out-turn of the Ava specimens will be given as an Appendix

to the General Table.

Having new adverted to most of the groups and demoninations of money, which are comprised in the following tables, it remains merely to explain the sources whence the materials for them have been collocted. For the coins of the West of India, Mr. Noton's table, published at Bumbay, in 1821, has been consulted, and, for India generally, the table published in Kelly's Cambot, from the aways of Mr. Bingley, at the Royal Mint; but the principal portion is derived from the table printed, but not published, by Mr. H. H. Wilson, Assay Master at Calcutta, in 1833, from his own assays: indeed, almost all the coins inserted in the table have been frequently assayed, and generally in large parcels, at the Calcutta, Benáres, and Ságar mints.

As Mr. Wilson's table gives the value in sikka rupees (of 191.916 grains troy), it has been necessary to recalculate the whole column of produce, which now, in the Silver Table, expresses the value of one hundred of each species of coin in the general standard British rupee of one hundred and eighty grains. To find their value in sikks rupees (of one hundred and ninety-two grains) it is only requisite to divide the Farrukhálaid value by sixteen, and deduct the product, as explained

in page 7.

The weight and pure contents are expressed in troy grains. The standard or assay is given both according to the desimal system and in the usual terms of assaying; viz., in earats, grains, and quarters, for gold,—and in pennyweights and halves for allver,—better or worse than the standard of the Company's coins, namely, eleven ounces fine and one ounce alloy.

The silver pound is divided into twelve ounces, or two hundred and forty pennyweights, or four hundred and eighty halves.

The gold pound into twenty-four carats, or ninety-six carat grains,

or 384 quarters.

The 'intrinsic value' of the coins is the relative value of their pure metal, as compared with the pure contents of the gold muhr and the rupes. The mint price is two per cent less, heades the charge for refinage, according to the quality of metal, as stated in pages 9 and 12.

To find the value of any number of rupees, follow the rule before laid down; namely, multiply by the figures in the column of produce and divide by one hundred. For gold coins, if required in rupees, multiply further by the Regulation value, sixteen for the Calcutta, or fifteen for the Madras muhr; or if the bazar price be wanted, by the bazar price of the gold muhr for the time being. The decimal parts of the muhr and rupee may be converted into anis and parts by the Table, page 12.

It should be remarked, that the following tables are not intended as an authoritative list of the rates at which the various coins are received by Government, but solely to show their average intrinsic produce when brought to the mint as bullion to be converted into Farrukhábád rupoes. Particular rules have been at different times promulgated, fixing the exchange at which military and other payments were to be made, and revenue to be received, in different currencies.

Such was the list published in Regulation III., 1806, which is now obsolets, being inconvenient in application, from its specifying the value by weight, and not by tale.

The following rules are still in force at the Government treasuries of the Bengal Presidency: the first has reference to the old current rupes of account, of which one hundred and sixteen were equal to one hundred sikkis: this imaginary money is now disused, except in the valuation of some few articles of the English market in the price current.

In the payment of troops and others connected with the Military Department,

111 nikks ropon, = 116 Smit or Parrakhābid repos.

325 ... = 350 Madras and Bombay rupper.
In payments to others not in the military service.

100 sikkā ropes, - 1044 Furrukhābād or Sonāt rupcer,

The established rates of batth on local corrences, fixed for the guidance of revenue officers, are as follows:

Bendres and Gaurshahl rupees, at pay with Parrukhabadia.

Delica	tion were constrained to	mper.	55, 50	par with Fart	MARKE	SPICIAL.	
104	Barelli rupese,	-	100	Farrikly, Re.	under	Gov. Orders,	1st July, 1833
	Old Parrukhábád,	-	160		10	**	29th Jun. 1833
1034	Dibli, 38th sun,	-	100	46	161		-
161	Muhummadshāht,	-	100				
101	Old Lukhnow,	-	100	44	44.		
106	Najibabad,	=	100		77	**	tet July, 1833
196	Chandanii,	-	100	-		-	

Mahru,	the sensor	Orders, 19th August,
Dobindya, Jabra, Manjatla, 7 san, Chiapa,	= 100 Åo.	1832. The receipt of these coins at this rate, however, is limited to the public tressuries in the Baital, Sconi, and
	Charlest Charles	Hochungüblel districts.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	pers,	For Chittagong and Baltinh, 22nd Jan.,
ees, = 100 Bombay	rupos, for pa	E MINISTER .
- 83 t. 16 c. 3	p. sikid _{r s}	accounts of Haiderhoad.
		thi pugodas are toben at
ck, Kadyanaja, Hati,	Modipali, at	ad Bangalore pagedas, at
	337.2 ditto.	
	**	
- 324	Mar I	
	6	
AX16 = 343.5	W)	
	Mehrd, Nishandir, Dobundya, Jahra, Manjhelis, 7 san, Chhapd, Old Hini-san, — 100 Pd. rs. — 88‡ sikki ru ses, — 100 Bombay — 83 r. 16 a. 2 d, Rhoipadi, Bahadar rupees at the Pone b ck, Kadwanaja, Háti, spass, i and Venkatspati, at pagudas, — 281	Mahrd, Nishandir, Dobindyk, Jahrk, Manjhelli, 7 san, Chhapd, Old Bint-san, = 100 Pd. rs. = 82‡ sikki rupers, for pa ers, = 100 Bemhay rupers, for pa ers, = 14 a. 3 p. sikki, I, Bholpidi, Bahidari, and Farrel rupers at the Péna transury, ck, Kadvanaja, Háti, Modapadi, ar apasa, i and Vankatapati, at 337 3 ditto. pagudas, = 381 — 325 — 325 — 325

NATIVE COFPER COURS.

Our information regarding the capper coin in circulation throughout Central India is very limited, but it is well known that as much perplexity exists in the varieties of pains, and in the greater range of their value, as in the coins of the more precious metals; so that every town and village almost has its separate currency, and its established nirkh, or, rate of exchange, with the rupes, to the great inconvenience of the traveller and of the power classes. In weight they vary from 280 grains (the Jaipuri, etc.) to 34 grains (the Maiwari): the former passing at about 35, the latter at 378, pains for a rupes. From the small advantage of melting up copper money, it happens that much of the circulation in this metal is of very great antiquity; and not only many ancient Hindó coins are met with, but Ractrian and Reman copper coins are also frequently procurable at fairs and in the neighbourhood of old towns in Upper India.

The paisa was in some cases adopted as the unit for determining the larger weights of the basars, as the Gorakhpur paisa, of which 530 were held equal to a passeri (five sers) at Ghazipur, and generally through the Benáres province. 2881 'chalans' of Fatchgarh in like

Noton's table, 4th Aug., 1811. He states, however, that the rates may have varied since 1812, when they were established.

manner were assumed as the weight of a mass in that district. The Dihlí paisá, coined till 1818, was twelve máshas or one tolá in weight.

The Table at page 62 contains such a list of copper coins as the scanty materials at hand enables us to supply. Most of the native paisa contain more copper in proportion to their value than the present Company's coin, which was, however, originally one tola in weight, and was gradually reduced to one hundred grains (as shown in the table); it is at present in fact a government token, worth, intrin-

sically, less than its nominal value.

Within the Ceded Territories the native coins still predominate, but the Company's paisi is now gradually spreading to westward, and the Sagar mint has for several years been employed in converting the native copper mency into Benires or tricall paisi of one hundred grains weight, and sixty-four to the rupee. At Bombay, the old paisi have been bought up by Government, for the purpose of removing them entirely from circulation, and substituting the new coin (described in page 4). The Bengal Government have also recently adopted a measure tending to withdraw the tricalli paisi (see page 8) from circulation, in consequence of their becoming much depreciated in public estimation from a large admixture of spurious coin, and other causes; the Calcutta mint being ordered to grant sixty-four new paisa for seventy-two tricalls, for an amount not under twenty rupess in value brought for exchange.

STREET, ON SHAR 'ALAN COURS.

It may naturally be asked, how the multitude of coins, gold, silver, and copper, included in the following lists, are to be recognised by any but a professed money-changer, since, as has been observed before (page 19), most of them bear the mere name and distich of Shah 'Alam, and the place of coinage, being the lowermost word of the inscription (page 2), will seldem be found on the face of a coin showing, as is generally the case, only a small portion of the die. Many mistakes have doubtiess been made in fixing the localities of coins, from this abundant source of error, and it is much to be regretted, that it has not on all occasions been made a primary point to ascertain the distinguishing mark of every specimen collected for examination.

Some rupees (as the Salimsahl, etc.) appear to be only distinguished by the peculiar imperfections of the Persian character they bear; others have but a few discriminating dots, like the private marks of our own mints; but the majority have a well distinguished symbol, the same on allver and on copper, by which they may be readily known on inspection. There is a further advantage in con-

sulting such marks, for they enable us at once to class together various coins as having been issued by the same authority. A list and plate of these symbols, confessedly imperfect, follows the catalogue of coins, but it may be convenient to assemble together here a few of the groups, whose connection is otherwise confirmed by the preceding remarks on the Bundelkhand and Rájputána mints.

The coins of Lukhnow, Fateligarh, Azimgarh, Barelli, Najihabad, Benares, and other places under the subah of Oudh, here the symbol

of a robu fish. The Agra paiss has a pistol.

The coins of Robilkhand, Bhartpur, Narwar, etc., a dagger.

Those of Nagpar, Chanda, Haidarábád, Aurangábád, etc., a sword, hence called 'shamshiri.'

Those of Sagar, Jalaon, Srinagar, Kalpi, Tahri, (the Balasahi) have a trident or trisul with a cross bar.

The coins of Bhopël, Bhilsé, and Rithgarb are easily known by a rude figure resembling a coat of mail.

The Kotá, Bündi, and Protápgarh coins have a triple bow or knot, semetimes varied: the inscription of the latter rupce is in Nagari.

The Saronj, Varimini, Jhansi, Gokul, Bulagarh, and Gwaliar moneys have a cinque-foil or star of five triple-pointed leaves, placed, as most of such devices are, in the loop of the letter من in جنوس in

The Ajmer, Ondiper, Salimsahl, old Chiter, Bhilara, and Krishnagur coins; and, with some modification, those of Jaiper and Mattra, have a "less jher, "sprig" or six-leafed branch.

Those of Madras, Arkát, Chandor, Sháhpúr, bave a small lotus or trefoil.

The Jodhpur, Kochaman, Bapusihi, and Pali rupess have a kind of small sceptre following the alif of the word sla, shik.

The Indor rupes is well characterised by the solar effigy of the Suraj-vanst princes; the Maheswari of Holkar by the symbol of Mahadeva; while the Srisihi of Ajmir has the word at on the field.

The Jahalpur rupee is distinguished by bearing the san or year of reign in Nágari characters. That of Ujjsin has merely four squares, or a kind of chequer.

The erescent and star are common emblems on many comes,

Of the Nepálese, Assamese, and other peculiar types, a better idea will be formed from the outlines in the accompanying plate: but the following memoranda; of the symbols on the pagodas of Southern India will be useful, as we have no specimens whence to delineate them:

⁴ Extracted from a note of Mr. Wilson's 'Cubinet Specimens."

DEVICES ON COURS OF SOUTHERN INDIA-

Madnie pagoda, The figure of Venksterware, and Alamela and Mangama Pulk Bunder do. his two waves. Venkatapati du. Harpanhall, Scott, A rude Spure of Neisinha, Lakhemi Neisinha, and on Portonovo, Sravanori, sume also Pratiqua Krishna. Sahiburi, Jameherl, Ikkeri, Contarti, Maisur, the figure of Usak Mahaswara. Hablari, Sultani, Bungebore, etc.—the letter 7. Dorghi, Chitaldrug, the lates. The Shull pageds ; - the triedl. Tanjore, Gapulli, Gatti, the Katthe or darger. Virgirki, Paneliskai, Giriye; a gun-Chakri, a Tripati cein; a diagram on one side and Tripandra on the other. Gulgi fanam ; - a plough.

TABLES OF BULLION INVOSTRE, EXPORTED, AND MINTER.

As a matter of cornesity rather than with a view of furnishing data for calculating the numerical amount of the circulating medium of the provinces under the Bengal Presidency, a statement has been added in two tables! of the quantity of gold and silver bullion coined at the mints of Calcutta, Benares, Farruklahlad, and Sagar respectively, from the year 1800, to the 30th of April, 1833, inclusive; and also a statement of the imports and expects of builton at Calcutta, extracted from Wilson's report on the commerce of the port, printed in 1828, the years since expired being added from the same official records. It will be remarked that of the whole bullion minted, a large proportion has been on account of Government.' This has chiefly consisted of the re-coinage of worn-out rupees or the conversion of native suins, remitted from the different treasuries, into Government standard. The same process must be continually going forward, inversely, with the English coin in all the native states, so that it becomes impossible to estimate correctly the quantity in actual circulation.

The total value of the coinsgs at the four mints for the period of thirty-one years has been 53,322,600 rupses.

Leaves bullion disposed of in the country sikká Rs. 290,446,100

¹ [These are emitted as the totals and results are incorporated in the succeeding observations.]

The coinage of the several mints for the same term of eighteen years was as follows:

Calcutta mint	203,615,962	4	5	
Benáres mint	88,329,359	0	6	
Farrukhábád mint	47,252,842	9	11	
Ságar mint	4,324,775	9	9	

Being an excess of one-fifth above the import, or Rs. 53,076,840

The coinage of the native mints may be jointly estimated at onehalf of our own, which will give a rough total of 50 knrcrs of rupees for 18 years, or three knrcrs per annum for the coinage of the Bengal Presidency; being 150,000 per diem for 200 working days.



TABLE of the Gold Coins of India.

Theorychuskists, in	Section 1	dem	Touch or years mad to 140 garts.	Pure tentionals in grains.	Intrinsic value of its.		
	Anaras In	THE COLUMN TWO IS NOT THE PARTY OF THE PARTY			In Colont- in Gold Makes.	In Madyan or Busiley gold regess	Benarks.
MURE.		DIT-ETH.			-		T1750
Ahmad Shah	207.00	W.1 21	MS. I	176.27	93.537	105.874	Corned at Dinti.
Akhar	159.00	B. 2 0	100.0	159.98	84.732	96.301	ditto at Agra, 1560
Akbur, juljalāli	the second second	B. 2 0	100,0	186,60	99,420	113,089	ditto at Lahur.
Assam	173.50	W.5 05	70.0	121.64	64.769	78,662	Such School of
w old	173,00	W.3 3	81.0	140.11	74.500	84.921	-
Benares	168,44	B. 1 1	96.9	163.17	86-956	98.896	7 - 2 17 - 2 2
Batavian, 1782	242.00	W.2 11	77.9	188:96	100.665	114.479	Duich E. I. Comp
	243.50	W.4 0	75.0	182,70	97,361	110,725	and an an arrange
H 1796, 1		W.5 0	76.8	173.01	07.136	104,657	
Wandhar old	214,25	B. 0 31		165.70	769 90%	102.348	
Bembay, old	177.00	W.2 0	95.4 83.3	145,82	77.709	88.877	
n later	174,99	B. D 03	91.9	164,68	87.759	99,607	Legal exchange
is neward.1800	170.00			2.2.2.		100,000	raine, 15 Dom. Ita
do: 1830	180,00	standard	81.7	160,00	87,928 100 534		
Calcutta, old std.	190,504	B. 1. 3	99.3	189,40	100.934	114.786	Still pointed here.
new std.	204.710	standard	91.7	187,56	199,000	110.727	Legal value, 16 lis
Dildi . personne	107.00	B. 1 22	88.2	161.96	87.379	99,354	Date not given.
Haidurahad	172.18	B. 1 0	96.1	162.45	88,171	100,263	double to the last
Jainagur,	374.99	B 9 2	95.7	354,94	57.42K	99,398	Struck at Jaipur,
Lukhnow	100.00	B, 1 35	99,2	364.79	87,77h	99,890	Pure mintenta an in
Madraugoldrupee	166.00.	standard.	91.7	166.00	87,929	100,000	Legal value, 10 Its
Puna mader	150.55	B. 2.0	100.0	1.59,55	86,023	96,094	
Rhal season over	167,60	B. o at	95.41	159.21	84.848	MG.456	
another	121.68	WA 35	74.6	86,48	46.057	52.326	F 1 7 7 1 1
Shan 'Alam, 1770	190.24	70, 1 24	98.2	185.60	99,547	113.212	From Kelly.
another		B. 1 3	99.T	186,50	100,657	114,236	Current in Hara
Squamula	176.30	W 0 0	91.1	182.47	NG 682	98,465	[and Onjurit
Súrat (average).	176,06	baland	-91.7	105.17	97,307	10.307	Court of Section
Shah Jaban	108.00	B. 1. 34	99.8	167,00	89,335	101.078	Having signs of
PAGGDA, HUN,		97			1	-	French A
OR VARAGA	wards.		40.0	44.00	25 522	W1 WAR	m [still coined
Anundral	52.46	WA 35	71.1	37,36	19,676	21.708	Travancore Raja
Hangulor	60.97	W.2 2	81.0	50,52	22,615	25,952	Under Haider.
Bahadurt master	82.71	W.J. 25	84.6	44.61	23,776	27.002	At Beringspalant, 135
Dharwar	50,63	W.5 3	76.0	36.41	20,473	23,280	In Karnatic, scarce
Darbiri	80,49	W.2 22	51.0	49.96	21,850	24.827	Mairte,
Durgi pagoda	41.55	W.2 1	82.2	42,42	22,006	26,724	Coincil at Chital-
another	51.46	W.4 01	74.7	28,46	20,496	25,315	drug.
Farrukhl (Canent)	52,96	W.1 12	85.7	41.32	24.153	27,466	Coined by Tipu.
Harpanhall, old.	50,76	W 3 21	76.8	39,06	20,783	23.533	Former Blift.
DOW.	61.10	W.3 0	79,2	40,45	21,658	24,529	Current at Bellare
Ikkeri, old.	52.40	W.2 15	81.5	42.71	22,763	35,884	Coins of Majore act
H 35W	52,50	W.1 3	84.4	44.20	23,606	26,851	Pastner mints so called
Jamshari	52,00	W.1 1	64.4	43.87	73.580	26,589	Trichinopoly.
Madras,	46.52	standard	93.7	42,01	22,387	25,464	Buchange at Ma-
double.	91.64	standard	91.7	84,06	44,764	80.927	dras, 51 rupeus,
tt den conditer	52,40	W.2 2	81.2	42.44	22,780	25,907	- a refrest
st star, average	444	02.7		-	-		(Coined by Mah
Muhammandshahi	50.53	W.9 32	79.4	40.14	21,388	24.327	'Ali Khan, Na-
old,	45,30	W.4 0	75.0	33,97	18,104	20,585	wab of Karnatio
new new	20794	11. Var. de	1676	Anna (40119	442000	Canada Water

Srinagarpatam.

	2000	1000	Tours.	-	Distribute of	ophosoit Son.		
Jenomenton.	Weight.	No. Ex	er provide eriode in the finiation	Profession in grains.	in Culesi- ta Gair Modes	in Madras er Romaine guid respans	tiemerie.	
Service .		9.97	100	7.5	200		200 × 1 200 41	
Null Commence	\$2,92	W .1.1	84.9	+1.57	28,742	27.010	Khia Chiter	
Polatela	82 10	W. 1 24	N. 2	43.57	23.741	23-129	By Fatch Ull	
Paliampatpagoda	acon	W. 6 5	33.2	29.66	15,240	17.332	Near Trickinopol	
Porto Novo	62.21	W. 7 3	58.8	00.73	16.500	18:040	A Portugueso coi	
Pulklemder	DL-59.	W. 12	80.4	45.00	22.442	20,050	Same as Madon.	
Sadaki, danbla	105.70	W- 1 2	85.6	98.55	48.126	64.748		
Sattari	30,00	W. 5 5	76.0	25.62	29.252	24.012	Coined ut Shitter	
Shir Shani	49.50	W. 1 ft	84.4	41.77	21,257	55.810		
Scott	N2.23	W 6.3	63.3	33.18	17,086	20,119	Same as Porto Nev	
Seavanur	50.46	W. 2 0	N2.6	41.60	22.100	24-247		
unother	51.50	W. 4 9	15.6	38.62	201,552	22,406		
Star (see Madras)	-100	111.00					Maliapu	
St. Thomb	75.83	B. 0 31	05.1	71.00	28.100	42,399	Double pageda t	
Subart, 1 pageda	20.20	W. 1 1	86.2	23.58	12,000	13.602	minute Liferine .	
Sultani	52,49	W. 1 2	84.7	11.24	25.633	26.670	Cained by Tipe.	
Tenantecial	61.00	W. 2 1	ML.B.	41.70	23.224	26.270	Amendral, our com-	
Travancore.		77. 2. 13			20.850		At Venkategiel.	
Yeokatapati	86.17	A. 2 2	760.0	30,14	Shi Rose	23.724	We Antipropried	
PANAM OR FANAM		100	1	m 760.3		1000	Their purity	
Aparanj	2.68	W. B Z	911.0	231	4.279	1,617	So called from	
Arialar	5.34	W.11-3	18.7	2.01	1.344	4.435	Nest Tanjure.	
Chakri montere	5.31	W. W. O	95.0	1.55	9.709	0.800	Tripati com.	
Conturkly	1.05	W. 6 11	58.8	3.41	1.819.	2.059	Ikkeri er Masso	
Outti	5.30	W.11 11.	14.2	2.00	1.271	2.446	Tripati Chitave	
Gulgi consumer	4.65	W. 10 T	48.0	2.16	3.463	V.660	Marked with a ros	
Gopali, eld	252	W.16 g	23.0	1.10	0.029	0.718	At Madhyargon	
		W.16 0	25.0	1.29	0,686	8.763	nmr Kudalur.	
Walters or Kall		W.13.2	35.4	1.92	1.098	1,166	Ansadrii france:	
Kaliem, or Kali.	6.44		40.6	2.64	1:410	1.003	Coimbatore,	
Panchkid	3.61	M. 19 1					Coincil at Salem.	
Salem	4.50	70.10.0	22.0	1.80	6.606	0.792	The second second	
Sali	6.10	W.16 8	25,0	1.09	9,686	0.750	Tourselly.	
Tanjoes	8.40	W.15 0	20.1	1:10	0.540	0,964	Michigan	
Virarayw.	5.85	W.10.3	46.6	3.73	1,452	4,651	Mulabur.	
Widdleberries	5.44	W.11 2	N5.T	2.78	1.217	0.001	Ditto	
POREIGN GOLD				LT)			Net produce of the or thinners to subtain a property for an order	
	410.00	W W W	W7.0	400.00	Arms was	270 150	AUPT STATE	
DoubloouSpanish		W. 0 2	50.6	273.11	100.634	230.125	2312,070	
n 1786 to 1826		W. 1 6	97.0	905.58	193 290	219.525	3220.143	
e. Chill, 1823	\$17.00	W. 1 0	87.5	363.79	193 465	299.473	7/229.791	
"Columbia 1850	417.00	W. 1 4	74.4	201.4	147.552	Sts.290.	3104.040	
o Perri	417.00	W. I 0	87.0	342.0	103 256	219.326	3220,140	
Daint, Datefr	53,50	10, 1, 2,	98.2	. 59.3	27.996	31,844	400 413	
Guinea, English		standord.	91.7	118.70	63,258	71.945	1003,979	
Savereign, ditto		stanlied	01.7	117,10	60.273	DN-544	1004.110	
20 franc, French		W. 0 42	90.0	99,62	47.547	51.313	795,632	
Johannese, Portg.		W. 0 0	95.4	265,58	108.281	123,258	4805,628	
Maidere, ditte		standard	91.7	113.67	60.173	G9.883	1009,146	
Sequin, Venetian	52,50	D. 1.31	99.7	92.97	27.850	31,075	464,031	
Toman, Persian	75.00	R. 1 04	96.1	70.16	37.382	42.511	022,785	
Copang, Japanold		W. 12	85.5	335.20	124.800	135,272	2079,268	
		W. 6 0	66.7	134,50	71.676	81,555	1194.123	
11 BOW							explanation of the	

(To convert the decimals into links and ph're, see Table, page 12; for explanation of the present table, see page 56.)

SUPPLEMENTARY TABLE OF QUILD COINS.

Since the Table of Gold Coins, page 43, went to press, an opportunity has been afforded of adding largely to its contents, from the examination of a remittance of 725 old gold makes sent from the general treasury to be melted and re-coined. On a laborious scrutiny of them, many pieces of all the emperors of Dihli, since the time of Akbar, were discovered; and a few anterior to that monarch; besides a large store of Bhopal, Jaipar, and Kota or Bandi, muhra, easily. recognised by their respective symbols. The whole were weighed and assayed, and the results are given in the present supplement, arranged in two classes, the first, in the order of the emperers; and the second, alphabetically, in that of the localities. As there was considerable difficulty in recognizing many of them, in which part of the name was wanting, it may be convenient here to accompany the table with a catalogue of the inscriptions most commonly met with on the gold coins of each monarch, from Akbar downwards. Some of them, as will be seen, have two or three different forms, which is very perplexing to the examiner. The term Sahib-kiran ! (lord of the kiran, or ! furturate conjunction of the planets") was first applied to Taimur; afterwards to Shah Jahan, as Sakib-kirin Sani (the Second); and lastly to Muhammad Shih.

It is worthy of remark, that most of the gold makes in the present table agree very nearly together in weight and value; and the average value of 100 may be taken as equal precisely to 100 Bombay and Madras new gold makes (or gold rapes as they are anomalously styled). The Calcutts gold make has no equivalent in the list; it would therefore be no innovation, but rather a restoration of the former system, which prevailed for three hundred years unremittedly, to abolish the Calcutts gold make of 204.71 grains, and adopt in its place the 180-grain make of Southern and Western India for the standard of the Bengal Presidency. Thus, were the sikkle rupes abolished, there would remain but one gold and one silver coin throughout British India, both centaining the same weight of precious metal, so that the relative value of gold and silver would be at once known; the present nominal rate of sixteen rupees and might still continue the legal equivalent of the mahr, since the value of gold is permanently risen nearly to that extent.

[[]I have allowed this to stand as it appeared in the original, as it did not seem that any material object would be gained by an incorporation of the two Tables]

صاحب فران

¹ [The old muhr selfs at 17.8, its legal rate being 16 rupers. The influx of Australian gold has of late considerably reduced the relative value of that metal in the bizing of ludia.]

INSCRIPTIONS ON MURES OF THE MOGREE ENPEROES. ARMAE.

Obverse:

جلال الدين محمد اكبر بادشاد غازي

'The glory of the faith, Muhammad Akhar, the victorious susperor,'

Reverse : The Kalimah.

This inscription, though apparently so common, is not mentioned in Aba'l Fazl's list of the royal coins; the specimens vary in date from 972 to 985 A.H.

JAHANGIR.

جهانگير شاه اين اكبر بادشاه ضرب برهانيور امان الله

'Jahangir Shah, son of Akhar Badshah. Struck at Burhkuptar, May God preserve him.'

SEAR JAHAN.

(a) A plain disc-

Obverse: the Kalimah,

Reverse:

شهاب الدين محمد شاعجهان غازى ماحبقران ثاق

'The bright star of the Soth, Muhammod Shah Jahan, Ghart Schib-kiran the second.'

(b) The chabaryari muhr-

Obverse: A square centre, containing the Kalimah; around which are the names of the four companions of the prophet, Abubakr, 'Omar, 'Osnán, and 'Alf.

لا اله الا الله محمد الرسول الله أبويكر عمر عثمان علي

Reverse: Same as before: 'San jalus v.'

(0)

Obverse: A lezenge shield, containing the Kalimah, around which, 'Zarb Allahábád, san 1031.'

Reverse: As in the other specimens.

AVEANORIB.

Obverse:

در جهان سکه زد چون مهر منیر شاه اورنگتاریب عالمگیر 'Shah Aurangath 'Alamgir Issaed come, helliant as the sun."

is more properly 'a warrier of the faith,' and in this sense we must understand its application on these come.]

Reverse:

صرب مستقر الخلافة اكبراباد سنه جلوس ميمنت مانوس Minted at the sent of the Khilidet, Akharibid, the year of the reign of fortunate esseciations."

BAHADOR SHAH.

Obverse:

سكة مبارك شاه عالم بهادر بادشاه غازى سنه ١١٢٣

*Auspicious coin of Shah 'Alam Bahldur, Blabhhh Ghari. A.n. 1123."

Reverse:

فرب څسته بنياد سنه جلوس ه

Struck in the favored city, year of the roign A."

JAHANDAR SHAH.

Obverse:

مکه زد برسیم و زر چون مهر و ماه ابوالفتم جهان دار شاهفازی بادشاه ۱۱۲۳

'The father of victory, the Emperor, Jahlandir Shih Ghazi, struck coin in silver and gold, resembling the sun and moon. A.u. 1824.

Reverse : As in Aurangail's coins.

PARROKRETE.

Obverse:

سکه زد از فضل حتی بر سیم و زر فرخسیر یادشاه بهر و بر

'By the grace of God, the measure of sex and land, Farrukheir, struck silver and gold coin.'

Reverse :

سنة 7 جلوس ميمنت مانوس ضرب دارالخلافة شادجهان آباد "The winth year of his properous reign. Minted at the seat of the Khalifet.

"The sixth year of his prosperous reign. Minted at the seat of the Khalifist, Shah Jahanahad (Dihis).

MUHAMMAD SWAR.

(4)

Obverse:

سكة مبارك محمد شاه بهادر بادشاه غازي سنه ١٧٠

"Auspicious cein of Muhammad Shah, the victorious emperur, 17th year."

Reverse: As usual; sans 2 to 17.

(4)

The same inscription with the addition of عاحب قران ثاني chiefly of the year 12; a debused coin.

^{1 [} This legend is ordinarily populiar to Ahmad Shah.]

(a) Obverse :

> مکه زد برسیم و زر چون مهر و ماه ابوالفتم خازی الدین محمدشاه

'The father of virtery, defender of the Paith, Muhammad Shah, struck cilver and gold sein resembling the sen and moon.'

Reverse: As in (a); and of various years.

ARMAD SRIE.

Obverse: Same as the coin of Parroklisir, with exception of name:

سكه زد برسيم و زر از فضل حق احمد شاه سنه ۱۴ ه

Reverse: As usual.

'ALLEGIE II.

There are also three varieties of inscriptions on his coins (the reverse of all being as usual).

(a)

Obverse :

سكة مبارك بادشاه غازي عالمگبر ثاني

'Portugate coin of Ridshah Ghari 'Alempir the second.'

(4)

Obverse:

ابوالعدل عزيز الدين شاه عالم كير بادشاه غازي خلد الله سلكه

'The father of justice, chosen of the fairb, Shah 'Alemgie II. Blaishah Ghazi. (May God perpetuate his kingdom?)' Sone 2 and 2.

(0)

Obverse :

سکه زد بر هفت کشور تابان همچون مهر و ماه عنزیستر الدیس عالمگیسر ثبانی بادشاه

'Chosen of the faith, 'Alamgir the second, struck coin in the seven climes, shining like the sun and moon.' a.u. 1170 to 1173, Sans 3 and 6.

SHAH 'ALAN.

Obverse:

سكه زد بر هذت كشور ساية فضل اله

Reverse:

حامى دين محمد شاد عالم بادشاد

The same as on the Company's cain, explained at page 2. All later than the 19th san, bear the symbol of a royal umbrella.

I [I distrust this reading , but not having the original coin to refer to, I do not venture to amend the attribution.—E. T.]

[I cannot well afford the space requisite to complete the list of the coinage of the Moghul Emperors of Hindústan; but I venture to insert the legend of perhaps the most interesting coin in the whole series; together with two novelties, hitherta, I believe, unpublished.

I. Silver coin of Nur Juhan Bigum. Struck by order of Juhangir, a.n. 1034.³

Obverse:

زنام نور چهان بادشاه بیگم زر سنه جلوس ۲۰ Boverse:

بحكم جهانگير شاه يافت صد زيور ضرب لاهور ١٠٣١

A second coin in the British Museum of the same date is seen to have been minted at Ahmadábád.

II. Silver. Murad Bakhah. Three coins in the British Museum. No date.

Obverse: Square area-The Kalimah.

Margin-The names of the Four Companions of the Prophet.

Reverse : Square area,

محمد مرآد بخش بادشاد غازى

Margin :

ابو المطفر تاج الدين ضرب سورت

III. Silver. Rafigud-darját. Five coins in the British Museum.

Obverse:

سکه زد باهزاران برکات شاهینشه جعر و بر رفیع الدرجات ۱۱۳۱ Beverse:

ضرب سنه احد جلوس میمنت مانوس

other specimens bear the names of Libor with مستقر الخالفة and Diblí under the style of الخالفة شادجهاناباد E.T.]

¹ [Marsden, p. 635 ; Auquetil du Perron, p. 221 ;—LAhor, s.m. 1035.]

Supplementary Table of Indian Gold Coins.

(The letters (a) (i) and (i) refer to the inacriptions in pages 46 to 48.)

	Military .			Posm	rore	Setator	o color of	
Personalist.	Weight Is pune		og is Lifts-	parts.	entire and	To Cal. gold manes.	to Nucl. or then, guilt re-	Ermark's.
Jalal-nd-lin	163.80	Bi	0.22	94.5	161.84	82.516	103.849	A. n. 1268)
Alacudodin	100.70	11.	D. 24	34.2	156.04	RX 644	93.139	Abo'l Murafflor.
Talmur Shah	T67.40	II.	0.38	95.1	240.12	84.795	96-435	A.S. 1396, Dikh.
Akbor, average	162.44	B.	2.0	100.01	102.44	89,565	95,449	4. E. 1556, Dildi.
single	165.60	H.	1 13	97.4	161.29	85.951	97,750	Injured by solde of ring.
Jahangir	100,000	18.	10	160.6	106.50	66.945	101.152	At Barhanpar.
Shah Jubin (a)	105.64	B.	1 14	97-4	104.36	97.554	99,550	Plain Bold.
(6) chakur-yana.	168,20	Dr.	1 31	10.4	167.76	WX.402	101,074	Square shield.
	143.40		ulard.	91.7	364.37	80.361	101.051	Vitinted by solder.
(c) become shield		H	1 25	99.4	165.15	NHO,NE	100.000	Struck at Allaha
Patricon	170.78	B.	1 34	19.7	160,27	90,256	102,647	Supposed from
dooldful."	164.70	W.	22	915	(53.62	21.111	81,102	Probably forgod,
Amounted the Alberton	105.64	B.	20	100.0	168.65	49 VIII.	109,930	Several
Ausmarain, plain		R	12	95.4	184.75	97.619	199.947	Dibli, A.B. 1076
man d to MI	1610,235	1.0						The second secon
Agest section		B		300.0	102.00	90.320	38.182	1100, these vary
Endow presents		B. 1	2.0	100.0	168.29	20.000	101,030	only in the place
Dibli mene		10	2.0	200,0	167.50	89.371	301.006	of enimage.
Labor comme		B	0.24	54.0	145, 63	54.420	200.024	
man 20 4	164,00	W.	2 21	79.7	130,00	60,544	79.204	No place of coin
Amangabad	164.67	B.	2.0	-	164,67	87,766	99,863	age, others Dill a. so 1097, Liber
Khujistah	200.00	-	4.9				100 100	
bontad	and the same of the same	H.	10	100	1.58.70	84.A73	16.182	
Multin mini-	168.55	B.	1 13	97.4	163.55	80,110 87,146	99,168	Shish 'Alam t. struck at 'Klin jistali barnish
Jahandar Shah	107.25	B.	2.0	188.6	167,25	99,126	101,364	Struck at Jonph: 1124.
Farreblair, am 6.	167.33	jt. B.	10	96.4	101.23	86.263	97.717	Johli, A.n. 1125.
Malana Shih fal	The second second	B.	1.1	95.0	181.90	86.278	98,192	Struck of Dibli.
Malum, Shida (e)						1 1 2 2 2 1		
(b) some 2 to 17	168,97	B.	1.1	97.4	163,09	97.235 BC 200	99.200	(Average,)
Agra	164,79	B	1 4	99.0	163.07	56,300	98.830	
Allehabed		B.	1.35	09.2	165.40	58:141	100.241	See L
(c) Arbeit		B	1.64	95.4	160.24	82,391	97 113	San L.
Benamy		B.	2.8	100.0	167.20	89.155	201,394	Sun 20. See p. 2.
Islamabad		B.	1.41	99.3	166.38	85.957	101.203	: Ducca se Dibli.
Ujala	166,90	B.	7. 24	98.3	164,29	57,501	99.571	
Ethwa inneres	167.00	B.	1 37	99.8	167.46	89.241	101,493	ANY THE REST WAR
(A) sen 12	161.70	W.	10	87.5	141.12	76.800	87.344	Ill-executed, Dib

The coins marked thus * upper to be forecase; there are twenty-seven of them bearing the superscription of Assumptible budy suscepted, and since baring that of farrowhelr, and the date A it 1150, with the same same latter by abbounch the latter improve only received six yeters.

³ This Jobised mater is very popular — it was probably caused under Merkith inflorant—there were eighty-three of the surf, all of the same date.

7.0	Weight	١.	and the	Toris	Per	Lainma	to entare of	
Denormanicon.			Migris.	glad Street	produc	In Cak good touckys,	To West, or Sen. gold re.	Esquita,
Ahmad Shah	167.65	B.	1.2	99.6	165.90	88.410	100.547	
Harhanpur	149.50	14.	2.8	199.0	169,50	90,487	102,909	
Alamgir 11 san 1	167.30	B.	1 3)	99.2	165.99	88.456	100,692	Struck at Dildi (a
A. H. 1170-	107.78	B.	13.	99.0	166.92	88.478	100,624	Inscription (4).
1173	187.50	B.	1 04	58.4	164.88	87.807	99,929	Inscription (c).
Var. 4000	168.00	10	1 3	99.0	166.25	88,798	100.747	Struck at Siwal.
Shah 'Alam, Dinli wans 3 to 151	167.41	D.	1.15	97.4	163,05	86,890	98,618	Present inscription. See page
sans the to let	166.31	H.	20	188.0	162.85	80.785	96.000	With the elibera.
BarhAupür	169.50	H	1 34	99.5	168,62	88.847	109.192	Summ so old Home
Farvakhabad.	165.75	40	mterd.	31.7	181.94	80.966	92,064	4 Average of 16.
Lakhnow	166.60	B.	1.31	99.2	164.07	\$7,435	99.428	Under the Nawal
Sürat, san 19.	170,14	R.	1 02	99.8	169.71	99,435	102.863	Same or old Ben-
Akbar II.	166.60	B.	20	100.0	106.60	86.752	100.970	With dagger.
Local Gold China.				20	****			***
Agra	164.79	B.	2.3	99.0	388.07	B45,9689	98,620	Mulammoddibli)
Allahabad		W,	19.0	80.0	St.Dy	48,165	49.001	Debuied? fidus.
Arkas, M.S. san I		B.	3.69	90.4	160.24	#5,591	97,131	Mulanemadsháhí
Benarus, sen 20	167:20	B	2.6	100.0	107,30	891.170	101.394	V WAR
Bhopal, am 27		II.	1 04	36.K	104.01	87.402	88 400	Average of 149.
Barhaupar	169.00	B.	1 15	96.4	368.62	59.667	192.192	Summe as old Burn
Ethwa	107.90	H.	1 95	29.8	767.18	20.241	101.492	and Furnishite.
Farruhhabad	164.76	50	odard.	81.7	151.04	89,568	05.094	Campuny's new
Islamsbad, Ducca?	168.20	и.	1 11	99.2	\$60,08	85.597	101,303	Motomeradshihl
Jaipur, san 8	180,00	W	2.0	100.0	138,83	TH DAG	80.144	False somey
AND THE STREET	168.11	D.	2.0	190.0	168.11	89-200	101.856	These uco avorage
mn 23	E67,94	В.	2.0	100.0	167.94	89.899	101.784	of many, of
san 24 according	169.12	D.	2.0	109.8	169.12	69,530)	101,889	new mins of th
WATER STATES AND ADDRESS.	107.60	Pt.	2.0	100.0	157.50	59,421.	101,407	Jaipar mint.
Sival, san 18.		B.	1 25	90.2	106.70	ME.SAL	101.083	Has the same symbol,
Koto, sons 1 to 10;	1,07,00	B.	1.0	D5.8	100.12	85-529	97,043	Known by the
San 10 received	160.71	B	1. 24	99.2	163.68	87,225	99.199	Kota and Ban
Lukbnow, old	165.60	B	1 31	99.2	164:07	87,485	99,426	Much blisshi.
new-state		B.	1 05	16.5	149.07	86,698	98,525	Shirahh.
Mijain, san 2	166.90	B	1 24	39.5	164:29	87,551	05.071	Mohampadshihi.
Patna, Shahjahan	4	B.	1 2	99.2	169,37	99.254	102.047) (From symbo) 39, p. 67.)
Sague? marked HT	154.70	R.	0.63	93.2	141.83	80.912	92.019	This monogram is
Sagar, Scinague !	166.35	B.	12	98.0	182.79	56,740	98.659	With the trival.
Surst, san 19	170.15	B	1.32	19.5	169,74	96,435	102,883	Old Bombay
	164.00	W.	# 17	56.7	93.10	69.615	56.424	Khurshid Shah.
1.0001446	- China	-	7.79.1		10.10	40.010	mir. # 27.4	secureury chair.

(For explanation of the several entours of this table see page 56; and for conventing decimals to c such and pa'le, are the Table at page 12:

I The interrption on this twin, of which there are three specimens, is very hadly executed; the posses are most probably forged.

Table of the Silver Coins of India.

(To find the value in sikks rapees, deduct one-materials from the value in Parrukhabad rapees: the latter are the same as Madras and Bossbay rapers. For the value in £ sterling, divide by 10.)

Manua.	Wright.	Asisp.	Died.	Your rotateds:	Introduction in Sec.	Benarks.
	filesins.	Christa,	100	SPICIAL.	TA RA.	
Agen supre		Dr. 7	94.4	162.53	96.351	Struck at Agra by?
Abmadahúd old	179.00	Wa. 4.5	80.8	145.83	96,864	Gujarkt and Cutch.
old	170.02	W= 17.5	94.4	151.83	92.004	Formerly conted
BOW		Wa. 15	85.4	154.30	93.568	Present currency.
hah	174.77	Br. 12	96.7	168.94	102.200	Coloud for nity our rency.
Ahmad Shah	177.25	Br. 10	98.6	172.70	105.272	(Equal to Dihi standard, 1750.)
Ahmadnagur, ohi	174.00	Br. 14.6	97.7	178.67	103,376	Same as Dibli rupes
Ajustr, uld F	the second second of	Wo. 11	87.1.	146.62	65,952	Sel alhi, com ene- rency introduce by Tuetia.
Bri sahi	165.17	Wo. 27.4	Mi.2 -	134,89	81.741	or Paquindii?
32nd san	168.00	Wo. 21	NO.9	329,50	54 428	Coined in 1702.
Allahabad	172.03	Strad.	91.7	157.78	95.573	Same 18, 21, and 26 (1778-86).
Alternate TT CTAD	179.50	Dr. 16	98.5	170.51	100.074	Equal to the Sh. rup
Atamgir II. 1750 .	170.25	Wa. 7.5	55.5	156.05	94.578	Colmed at Kaira, Gu
Control of the contro	177.94	Wa. 14.5	AS.G.	101.77	P1.P87	Corned at Pitlad, de
in reintermedale					97.075	Standard of Pune
Ankun, old		40.1	95.1	160.17	97.484	also ralled Chin
DIIW LINE	178.60	Br. 2.5	92.7	160.56		Auri maten Cann
Arnenn, (Mug.)	165.36	Wa. 81.5	37.7	93.71	56,795	
Arkas, (Company's)	179.40	Be. 7.6	94.70	167.20	101.340	Coined in Calcutt
1759	127,25	Be to	95,5	800.00	102.948	for the Dacco, and
1782		Br. 11	96.E	170.00	163,396	also the old our
15,000,000	-11.00		-	Lancon.	1	every of Madrin.
6H	179.39	Br. 4.5	93.5	141.55	97.729	The Sarat Aroot
1766	171.47	Br. 2.5	93.1	159.58	96 774	XXXV, 1707.
BoW - 1	188.00	Wo. 4.0	99.3	140.20	102.545	The Madres dol. re
	173.59	Br. 0.0	0.5.a	165.95	100.556	Formerly cur, hero.
Franch	179.13	Br. 0.5	95,6	165.55	100.334	Cound at Pondi
Garnali	172.90	Br. 7	PLO	102.88	98.718	Uncertain (from Chi-
Phurshi	172.78	Br. 7.6	94,8	163.76	99.239	'Farshi' of Reg XXXV, 1793.
uncertain	169.33	Ws. 17.3	50.2	142.68	86,592	Probably forged
Jahari	The second second	Br. 7.8	94.8	164.53	99.716	Beengist to Chita
Amam, mixed	174.00	He. N	95.0	165.35	100:215	
Rudra Singh		Br. 15	96.0	169.39	102.782	of Assum and th
		Br. 17	97.1	165.34	102.025	neighbouring dis
Sira	1,00,40	100		164.34	59.537	tries; enined a
Pramatta		Br. 11	96.7	100000000000000000000000000000000000000		4.00
Rajendra		Dr. 12.0	96.5	168.47	102,100	Rangpar and Just
Lakhami		Br. 13	97.1	168.44	102.094	hat.
Gourinally		Br. 10	75 B	165.94	101.177	Restored to three
2. 36 60000		Hr. 6	94.2	163,63	38.302	
Bharat	174.76	Bt. 11.5	96.5	168.09	102,159	
Ashusahi	175.50	Wa 11	87,1	155.70	#3.158	Anisahi? Gujara Baroda, Kaira,et

Name.	Wingsr.	Amy:	Years.	Pare innienta.	Intrinsic tains of 100,	Remarks.
Incometant	Grains.	Dwin.	1.3	Gradia,	14. Ba.	Marine San Printer
Aurangsbåd	170,86	We. 24.5	A1.9	110.89	84.781	Bakhabi, (Haidar Ahld), are Guvine
Market State		46.754	25	13.5	300	Bukhahi.
Babasahl	177.00	We. 14.5	95.0	151.66	01.840	from san 4 to 18.
Hagaikoth	172.10	Ws. 4	89.6	186.85	98,546	Mulliurshii (Hoi-
Hálásábi	169.21	Wo. 5.5	RAI-	144.92	90.436 67.628	Old coinage of Sagar current in Gurral
	160.00	Wn #	89.2	150.69	01.328	and Bunddkhand
Bacdli		Br. 4.6	93.5	166.80	97.443	Cur. in Hobilichard
British All	109.25	Hr. 4.0	98.7	156.01	95.946	Average of 4 likho.
Baroach, old	177.06 177.40	Br. 7.5 We. 8.4	94.7	107.84	101.720	Now disappearing. Present currency
Buroda	0.000		88.1	1,86,62	94.801	(1821). See Babinahi.
Batavia, 1763	199.00	Wa. 20.5	BET	165.41	100.251	Coined by the Dutch
1803	204.00	Wa. 20.4	79.0	161.07	97.621	East India Comp
Bhatur parameters in the	171.50	Wn. 10.0.	57.5	149,59	90,641	Near Ahmadaagur.
miapar	171.42	Wo. 14.5	36.0	1.67,12	89.165	Current at Pans, in Couran, etc.
Benares, old	175.00	Be 11	84.7	186.IT	102,454	Under native davega
old stand-	175.00	Br. 19.6	96.0	166.675	102 845	by Reg. 11, 1012 oblique milling.
vincu 1600,	174,76	Un 9.5	95.6	157.00	101,285	Average of rapeo- brought for re-
1819-1820,,,,,	180,284	standard	93.7	165,21	100,154	The late Farrukhi- bad ropes min
Bhikanir	174.66	Bc. 11	36.3	107.47	101.500	abolished in 1830.
Bhilfira	108.00	Wo. 21.5	82.7	159.60	B4-063	Current in Ajmir.
Dhilish, old in access	160/62	Wo. 12.4	58.5	116.60	56.582	Mint under Bhopsi
another		Ws. 16.5	54.5	145,21	60,901	Nawah
DOW SHOULD	173.61	Br. 0.5	24.4	163.47	-09,290	Reformed in 1827.
Bhopal	159.26	Wo. 6.5	59.0	150.50	91.249	(Referred in 1827,
Bhartpur	17L86	Be 10	95.8	104.70	99.919	Average of many
Bindroban	156.67	Wo. 19.5	83.5	130.89	79.335	lakhs.
Hombay, old	178.35	Br. 12	96.7	172.89	104.282	Old Súrai rupos.
	175.76	We 25	99.7	161.99	¥8.176	Ditte debared,
1800	179.00	Be 65	92.0	164,68	99.200	Coined at Bombay und ut Calcutta
1829	180.00	standard	91.7	164.99	100.000	Present standard
Bandi, 1819		We 7	88.8	1.52.26	92.278	Currentin Ajmir and
Brazil, Pataka	172.82	Be. 7	94,6	163,46	98,622	Bandelkhand.
Brodera, old	128.50	We. 5 We. 14	89.6	265,43	221.514	Brazilian doller.
how	178.60	We. 7	85.5	165.42	96.611	
Balabsahi	175.56	Wn. 15	85.4	149.957	20.580	Coined at Baroda.
Bunder, tussal	163.79	Dr. 85	95.2	165.92	94.502	product an accordan
Garnali	174.66	Br. 9 1	95.4	166.66	101.005	L- 1 - 17-70
Barhanpur	178.80	Dr. 8.6	95.2	179.25	103.171	Also called 'Parki,' coined by Sindia
Basca	250.00	We. 11.7	42.0	120.17	72 828	In Khandosh. Persina Gulf.
Calcutta, old	179,666	Be. 15	98.0	175.023	106,620	The old Murshida- bid 19th san sik- ka rupee

Name	Weight.	Ame.	Posts.	Piers Ciminots.	Searchall To solar see	Reportes.
w.v.	Owning.	dwis	-0.0	CONTRACT.	PA Bx.	San Salario
Calcutta, new	191.916	Stand.	91.7	175,923	100,679	By Reg. XIV. 1818.
present	192.98	Stand.	91.7	176.00	100.000	by Reg. VII. 1833, all receivable at
4040	142.44	60.14	- 2	Cal.	1500	par
Cambay	178.00	Wa: 15	85 4	152.04	92,167	Current in Nawate's district.
Calání	172.66	Was 24	80.7	141.01	85,460	7.00
Coylon	134.00	Wu. 24	K1.7	310,63	66.323	The ris-dollar of Le-
1.4	188.82	Way &	59.6	328.91	75.574	94.9
Chambegoods	171,00	Wo. 15	85-8	346.60	87.917	Discount of 2 percent, with Ankuri capee
Chands	166-42	Wa. 12	MG3	145.54	86,901	Current in Nagpar
1819-24 -0	169.70	Win 4	90,6	101.78	92.563	and the Nurheddu
1826	160.18	Was 16.5	14.3	151.72	92,559	and the Surginal
Chanderi		Br. t.a	37.3	340.00	56.766	One of Sindle's minte
Clundoli	170.15	Wa 14.5	15.0	743.60	89.299	Gwallur repes.
Chandúri	172.00	Dr. T	92.1	138.38	92 949	
Chandres Andrews	Control of the control	Wa 2.6				Khandesh standard
aunthur	168.78	Wa 1	90.7	152.68	912,6346	current in N. Con-
another -	160.78	100	91.6	154.85	50.545	Anked ropes
Chandrapur periode	163.00	Wat 13	FE5.	134,85	82.736	Average
	166-50	Wo. a	39.6	149.50	50,297	A
Chineart	172.50	Br. 2	10.9	100.25	17.140	Pena.
Chiter	140.57	Wu 28.5	79.8	184.51	ET 104.	Cornent in Ajmir.
Chmurasi	171.74	Wa A.	90.5	154.94	95,901	Bkeri.
Churnda	166 AL	Wo. 13	66.3	142,16	80,171	Spice at Clands ?
Chendausi, san 20.	177.10	Wa 115	315.6	109.57	00.497	Coicealby Zhbita-ktain in Habilkhapd.
Chalant	160.71	Wn 27	86.7	170 05	78 324	Haldaridad.
Subukt	169.47	Wa. 25.5	79.8	136.22	61,054	KI SHEEF HUSO
	172.50	Dr. 6	94.1	102.44	68,647	
Katak	172.18	lte. 6.6	94.3	162.33	98.300	Arkat rape mined
ens.	Carried .	40. 14.4	40.00	Verne	No. was	ad Calcutta
Culpi	L69.07	Wa. 11.5	86.9	146,68	89,021	Presdelkhand.
Chatrapor	T09/00	Wa. 8.5	88.1	148.00	00.261	Raja Fratto Single Bundetkhand
Diem	170.30	Bc 12	96.7	178.02	103.044	Same as the cikking
Deig	169.70	Wo. 7.5	98.5	150.25	91,864	Near Bhartpur.
Dibli	172.48	Dr. 19	D7.1	187.37	101.437	See Smat, and the
Muhammad Shab.	173.30	Re. 12.0	00.6	167.68	101,806	various achulus !
28th san	172.80	Be a	92.9	161.58	97.809	various atmigs
a-cross reas	173.00	Dr. 5.5	96.4	161.27	98,951	
Dollar, 2 Spanish	417.60	Wa 4.0	80.7	374.67	227,194	Division 1978 for loss
regime! (Springer **)	415.00	Wit 4.5	50.8			Since 1772, by law.
				374.27	226.530	Average in England
1000	414.00	200	89.6	372.21	120,084	of Calcutta usays.
N. American	416,69	Wo. 6	80.2	371.95	609.553	By United States law
Datelt guilder	161.00	Wa 1.5	91.4	144.59	87,408	By law, 162 ges.
English shilling	87.25	Dr. 2	92.5	50.70	AK 909	(Previous to 1830
Prown	436,86	Dr. 2	V2.5	462.63	244.624	nearly 3 dwts. Dr.)
Etawa	171.80	Br. 1.4	92.5	155.00	26.026	In the Iteah.
French &-franc	386 Ni.	Wo. 1	90.0	247.26	214-560	By French law.
	393.30	Wa 44	89.5	345.25	299,242	By Calcutta assays

⁶ The standard of 1918-1922 was really a proxy weight too flow. It respectively of an error in the old standard plate of England, to which the mange of Dalla were relevant. The proper recredition has been introduced in both conditions and It has been in the season to take stade plate plate point to 1920.

The deliars of the independent states of Mexico, School, Chair, and Pers, are of the name weight and raine the Spanish deliar; they record faring the recombinancy person.

Nume	Wight.	Anny.	Treets.	Pari rendespa	fairnisir tulay of 340.	Bouseen
	Grates.	. Prin.	20.0	Grains.	Pi Ba	e
Path 'Ali shahi	107.71	Dir 7	34.8	149.17	80.400	Late king of Persia.
another	143,39	Br. N.5	195.6	137.12	83.100	died in 1833.
A. H. 1244	100.50	Be 4.5	93.5	95.61	69.810	Struck at Hamadan.)
1215-68	105.12	atandard	91.7	96.86	58,400	Strock at Shiyaz
Farruhhabad 39 aan	169.40	Dr. 6	94.1	159.25	97.073	Old native purrency
Company's	172.00	Rr 9.2	95.5	165 215	100.144	45th ann Lukhnow lies of Reg. XLV, 1803
new standard	180.234	Industs	91.7	166.215	100.144	By Reg. X1, 1810.
present		stradard.	31.7	160.00	100,000	By Rog. VII. 1833.
Generally		Wa. #	88.3	147.60	89.511	Ghratli Arkid
German grown,		Wo. 20	83.7	300.84	218,691	Legal value by con-
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	SEC.	4 6	(52.1	0.00	0000	vention of 1763.
Charles	430.40	Wn. 20.5	83.1	347.61	210.854	By Calcutta manys:
Chatesa rupes	173.31	Hr. 9	93.4	165.57	100.222	29th antitog III 1900
Guhuruhi ,	168.50	Was L2	55,4	145.0%	88.230	Imported at Hombay ne bullion.
district.	174.43	He. 11.0	90,0	106:25	101.071	Shirb 'Alam? Benkree mint) chancel, broad
thunkt	174.18	He 7	34.3	164.74	99 KS8	broad; all oursen
Liftle and	174.52	Dr. # 5	95.2	186.16	160,702	in Ghartpur dis-
trisoli	120.05	Be 4.0	33.5	191.57	-08.110	trict at pur with
Gokul rupos	172 80	Br. 3	.03.0	499.56	92,469	Beptiers rupors.
Gensushi, 1919	171.28	. stanilard	91.7	3.56.98	90,120	Ser Bundi.
1895	179.96	Be &	93.7	142.17	96,250	Equations to the In-
Gopál sáhi	172.60	Br. 3	BED	180.28	07.140	Madrai
Gurumatksi, 1	175.30	Wa. 34.5	81.0	348.53	85.8H3	Haidurabid Bagti uludani.
2 mars	172.00	Wat 18.5	84,0	14641	87.600	n Shubr chaleni.
market Books	170.00	Will WES	70.2	137.83	27.487	" Hukm chalimi,
Govind bakheld, 1	170,80	Wr. 20	144	140.03	50,262	Aurengeload Bagt
Zui	171,30	Wo: 25	11.2	139.3	84.453	Do. Bhahr chalant.
3	179,50	Wa. 19	N3.7	143.79	86,612	Da Bukm chalani.
1692	109.29	Wa. 24	81.2	637 62	85,400	See Shamabiri, paid to trooperat 120 per
Gwaliar	171,30	Br: 6	94.1	16(.5)	07.763	The best of Sindia's
Gurmhketä Hält		100	111			Delaugil Bitlinidit.
Hatras	177.60	Br. 0	193.4	100 70	807.67	See Pana, Ujjäin, etc
Holker sühi	168.60	Wa 1	01.3	155.54	98.240	Coined by Holkar at
Hukari	179.00	Wa. 22.5	44.5	3 89 84	Do have	Today 7
Hurda	179.30		81.2	152.00	86,082	Coincil at Marvich.
Haidarabad, L	174.10	standard	21.7	158.20	95.881	
	174,10	Wo. 17	94.0	147.05	89.106	Bugh chalani, pulace ratrency.
2	173,50	Wa: 17	84,6	146,75	88,142	Sheler chalant, 'city carsency,' see p. 25.
ā	170,50	Wa. 18-5	54.0	143.13	86.757	Bakm chalent, 'ar- dered currency.'
1823	173.38	Wa. 18	84.2	165.92	88,440	Coined at Calcutta.
1832	172,66	We. 21	82.9	143.16	86.766	Ethods abutear
***************************************	170.20	Wa. 35	77.0			Bigh chaleni
	THE PERSON	11 Jan 1989	W. C. (M)	121.10	79.511	Shahr citalani

Average of one thousand six hundred and mighty, means to thin. The Denton wave securit to many different towns, the principal most being all Shiele.

Nume.	Weight	Aver.	Sinch.	Pan posteria.	Tatrinsis value of year.	Besturies.
Imieni	5mim. 170.24	Br. 10.5	96.0	oreits.	74 the	Street Land The State
Inder, 1819		Be 7.6	94.6	163.04	102.003	Struct by Tiph Sul-
		-	44.0	100,04	DS.612	Proper weight 174.5.
1832	173.90	Dir. 6	94.5	102.81	98,674	with English rap. See Shimothi.
Jaláon	168.86	Wo. 13	86,6	146,28	96.002	Rhjú Pvathp Single of Stringer, to tablished 1809,
Jhami	170,06	Wa. 12.5	88.2	141.65	57.790	Bundelkhand, ato- lished 1826.
Phind	188.60	Wo. 19	83.8	141.12	85.526	Dush.
Judhpur	174.00	Br. 18.6	DAK	106.80	T00.541	Current in Malwa.
and the second	1.68,30	We. 26	RO.K	130.04	82,450	Similar to Britable.
Jamkarah	175.00	Br 2	92.5	161.57	98.104	Enthange 2 pr. cont.
Jahalpar	167,38	Wa. B	89.2	248.25	90,459	In 1800, 11 maslow; 1800, 10 maslow;
		173	71-7	The second		S rapes of po
Jagathari	164 30	Wa. 124	100.4	142.92		with Nagpur
Jeripatich	171:30	Wa. 1	21.2	150.58	94,800	Conned at Name,
Juidas parastropente	173.00	Dr. 6	94.1	163.09	59.017	Juigarh) Dibli dis-
	179.00	Dr. 55	53.0	101.01	97.944	trict.
Jainsgurt	172,68	We. 3	90.4	190'30	94,608	Current in Alumid-
Jaipar		Be. 12	96.1	100,26	101.929	Penent currency.
Karhana	172,00	Wo. 18	86.3	145.44	44.174	bre Narayani.
Keranii		Sr. 8.5	61.2		88,145	
Kittor-shapuri	374.00	Ws. 184	16.5	160,44	98.877	Original Shipuri
Knehåmeg			1			(() market
Koré, un 8	168.76	Wa. A	10.4	124 74	20 mg	Jodhpur, Dipashi
500 12 miles	108.TX	We. 10.4	67.3	147.29	91.623 89.265	1760, full wt. 170.0
ren 20	100.04	Wo 14	86.8	186.61	67.561	bad mostly melted
Kosi .		Wo. 18	81.0	140.60	87.332	up and recoined.
Route	471,64	Wa. 32	78.8	184.43	81,485	Haiderablid (1882).
Kamble	171,00	Br. B	0.40	162.45	98,454	New Bhartpur,
harta, militure manager	172 65	Br. 18.4	97.6	107.97	161.503	Keth Bhit hes minte
1825	374.09	Br. 14	N7.5	100.67	102,880	also et Jutrapaton and Gagenna.
Kutch kaurt	72.16	We. 73.4	51.0	41 56	20,400	Coined at Anjar,
Lálágora	171,50	Wo. 5.5	89.0	152.15	92.210	Coincil by Gen. Lally?
Larin	24,20	Br. 11.5	90.0	71.80	43,563	Of Persia and Arabia
Lassi	48,00	We. 30.4	79,2	-95,91	25.827	Chab Chia coin m
Lukhnow, old	172,33	Br. 12	96.7	100.05	100.957	Tang-pales. Coined by the Na- #5b Vozir
(Fil. ed.) 45th ann.	173.00	Br. 0.2	95.6	165.21	100.127	Colled Machilisahi.
Sri shihi		Dr. 11.	90.2	164.67	100,405	By King Assfuld-
1824	129.19	Br. 6	168.3	109 00	66 000	daniali.
1831		Br. 11	96.2	162.08	98,231 100,412	This year's coinage; inferior. (A.m.
	and the		10.00			1729-400
Madipar	173.73	Wo. E	89.2	154.93	93,894	Or Nouste; (Kelly).

Name.	Watgat.	Amag.	Trans.	Puri entitate.	Totalanie Faltar et Jak	flemurks.
o lister	Orana.	. éve.	-	Directors	Pd. Be	
Madniri	174.38	Re. 0.0	31.0	165.75	99.748	AND THE RESERVE
Madrus, old	176.40	Dr. 9.5	98.A	166.48	100.885	Old Arkla rup by law
Rajapuri	176.00	Be 7	01.0	165.72	100.315	Coined at Rujapor.
rapee of 1811	186,70	We 35	89.4	165.46	160,895	Consol from Spanish dellars.
half pageds	226.78	Wa. 34	88.4	291,24	176.070	- I hArkat rupos.
fi-fitnate	71.51	Wa 5	90.	64.186	39,80%	By Calcutta away.
2-fanam	26.73	Wu. 4	89,6	25.76	15,600	
I-firnam	14.31	Wo. 4.5	80.8	12.85	7.785	-
double rupes	220.80	Wa. 4.3	83.8	333,69	261,834	
Paper	187.48	Wo. 4.5	80.8	168.34	102.034	
new standard	189.00	Standard	91.7	165,00	100,000	1818; present cur
Madhushāhi	174.00	Br. 12.5	96.6	168.61	102.188	New Hulker, Inde
Mahawuri	173.25	Br. 7-6	94.8	164.23	59.330	coined at Muleu- must by Helkar; music as Ujjain
to the sales		4. 10	100	2000	13000	and Index
Muhammadshāhī	173.30	Br. 8.5	95.2	165.00	100.000	Dikli Muhammad
Māmūsāhi	177.75	Wo. 54	80.1	12/18/80	96.283	flaroda.
Malabar	172.84	Br. 2.5	93,1	169.90	67,549	-
Mamuahi	169,50	Wo. 24	50.7	100,61	92.090	Current in Abund
Mashirabad	171.40	Wa 44	80.0	143.47	D2 100	(Old) from Madras.
DIW	168.26	Wa 24	90.6	152.48	05.592	Jana Harana
Muroch hakári	179,60	Wo, 17,6	64.1	149.67	99,297	Ceined at March
Muliamhi	175.49	Dr. 8.	195.0	163.78	99,200	Surat
Malhashh	160,87	Wo. 65	NO.0	147.65	99.425	Sarat (Noton)
and the last	160.85	Wo. 6	HQ.2	1,47 (9)	89.642	Cornent in Malwa.
Madhot	173,00	Wo 42	57.0	99.47	60.294	Coincil by Matiji Itao in 1700.
Murshidabld	170,646	Be: 16	98.6	175,928	106,650	Old sikks rapco (So Calcutto.)
Mag ropes	162.69	We 14-9	29.6	19.51	29.860	Average of 1400, as saved in 1833.
Makansahi	176.62	Wa. 10.5	97.5	154.17	23, 430	Coined at Bureda.
Matharsabi	172.30	Wa a	50.0	154.38	97,646	Ceined at Bagulkot
Mallitonia	174 00	Wo. 45.5	20.0	107.01	WY 100 A	(Holkar),
Mulkipar	173.29	Laboratory of the Control of the Con	72.2	127.21	75.894	Near Burbanpar.
Mangalathi	179,50	Wo. 7	38.8	108.41	00.018	(Kelly)
Mutyukhi	173.50	Br. 5		161.74	00,833	Achunty, rellector,
Matharia Mysoro	171.28	Wo. 13.5.	74.8	105.20	100,125	Mohamar F Hol-
Nagpūr, obl	168.65	Wa. 0.5	112.5	154.34	03.4HI	Nish budder, before
200 mm	166.53	Wo. 14,5	65,0	143.25	86,635	1817. Naldar, after 1817.
1924		Wo. 28.5	79.8	132.87	50.590	Debayed uptil 1824.
present		Wo. 17.5	\$1.1	140,23	84.088	Reformed in 1624.
Narayani	142.23	Wa. 22	36.7	117.34	73,110	The Kachler rupes
	143.17	Wo 30	79.5	113.94	66,690	current in Rang
	287-15	Wo. 23.5	81.6	111.16	107,364	par, etc. assays
Nichyanpet	170.00	Wg. 32	78.3	18X.17	80,707	in 1832. Haidaribûd ruper,
	120.00	Wa no	100 m	100.44	01 000	comedat.Virtivarpa
Warner .		We. 26	80.9	189,50	84,557	By Noten full weigh
Narwar,		Wo. 95	57.7	149.10	20,360	Padshahpar
Nepani	173.00	War, 38.5	25.7	120.36	29.883	A Marsthirein, 189

Name.	Wright.	Assay.	Their.	Ture multiple	Spirousor raise of tie.	Bensrks.
	Oracles.	DWG		Onside.	PL 36	
NepAl ammanana	fraging 1				200	These are coins of the
a.p. Saka.	1000	4.75 9.3				Gurkha dynusty of
1808 1731	84.00	We. 21	82.0	70:49	42,714	Nephl princes, Gir-
1810 1733	89.70	We. 32	78.8	65.60	29.760	You You'd and the
1811 1734	35.67	Wac 28	50.0	67.78	41,060	present Raja Ra-
1813 1730	84.40	Wa. 37	75.1	54.35	B9.062	jendra Vikrama
1515 1738	74,58	Wo. 50	70.0	59.92	30.510	Bah. They are
1817 1740	84.05	Wo. 42	73.7	42.72	36.014	the irrerige of a
1616 1741	66,06	Wu. 42	18.7	62.64	37.975	number assayed in
1819 1749	88.77	Wir. 43.4	68.0	57.45	34.799	1832. The coin
1820 1743	81,68	We. 23		68,96		of the old or Ne.
		Andrew Control	77.4	and the second second	39,977	
1822 1745	80.07	We. 26	Apr. II	69.17	41.022	war dynasty are of
1823 1740	84,23	Wo. 24.5	Nb-6	101.42	42.078	the same standing
1834 1747	Bay47	Wa, 31	28.7	97.30	10.798	Tary are rulled
Avenige	84,76	Wo. 36.3	76.5	65.28	20.000	muhra, acc p. 32.
Najibidiad	+4.5	W 250		of the Table	1707	Current in Robin-
rule, 20 to 20	373.00	Dr. 12	.96.7	167.68	101.353	Alound and Murkd-
30 ln 40	171.00	Bc. 0	91.1	101.02	97 491	blood. Burnivos
\$1 to \$3	369,36	Dr. 1	92.1	339.00	89.453	rt 106 per 100 Fd. Ha, see p. 32
Kmorabad	170.20	Re. 60	961	100.77	97.123	and sentence for men
Lidipar	167.47	Wis 22.5	78.1	130.62	79 280	Sindinghi + Menter
Ujjain, 1832 smini	174,64	Br. 4	19.8	162.00	98,763	Average of 100, Sec Maheswar, Struck by Sindia.
Oukari	178.00	Wu. 17	***	348.00	80.710	(Kelly's Cambia). Ikkori.
Pankli, old	170.00	Wo. 65	RX.4	101.16	65.582	1700. Struck by Raja
Panipan	171.20	By 0.5	761.30	107.29	95.327	Dikh district.
Pains more and	177-30	Br. 11.4	96.6	161.21	97,760	Company's mint, 1795.
Parkani, Nephra	170.00	Wa 28.5	75.7	150.96	70.364	
Carolina Company	178.00				79.384	Dyfindhorima'ik 1801
Sembles ,	172.75	Wa. 28.0	79.7	187.76	N3.604	rathi states.
Old ditto	174.00	Way all	89.7	156.16	04.646	By Bhuda family, 200 years ago.
Mudhal	173,00	Wo. 8.2	57.8	998.67	100.284	RyMalaji Ras. 1790.
mewest consumer	177.50	Wa. 7	98.7	157.88	95,684	Coincel in the Sawant
Domine sumon	799 ac	m- 14	66.7	150 00	Sec. 250	Marie CO
Persian rupor	177.24	Br. 16	18.4	174.30	105.554	See Puth 'Ali.
T	178.00	Dr. 19.5	98.2	174.66	195,876	[with
Penthpgark amma	170.40	Wa. 9.8	87.6	149.27	90.450	Nation, See Stilling
Phulebari	174.85	Dr. 9.5	95.6	167.68	101,565	Phulshuhri ?
Polshabri	171.70	Dr. 1.4	92.5	158.46	06.650	Ankasi rupus struck at Phubbuhr.
Pendicherry	175,83	Bc. 8.5	95.6.	167.68	191.525	Fromb Arkit.
410000	173,98	Br. 10	95.6	166.73	191.049	- Salaria Parliana
eld or recons	172.61	Br. 11	96.1	167.00	191 500	Tumber Persyli
Raja	170.16	Br. S				
Pulti facora		Br 3.5	95.0	167.30	101.390	Struck at Mulaut
Pune, old	176.00	Dr. 13.5	96.9	170.50	2 190	
and others		m	60° 0	200	min war	Ankusi
nri sikkā	111.40	Bc 1.5	92.3	150.20	96.486	For present standard
hall	176.70	Br. 11.5	96.4	168,46	102.090	Coined for intrem-
Porchander kauri	74.50	Wo. 52	70.0	62.15	31.000	
Wednesday.	140	w 700	60.0	100	Sugar St	der, Katch.
Bajgarh	173.70	Br. 11	96.2	167.23	101.555	

Name	Weight	luies.	Profit.	Part malasts.	Intereste value of the	Renarks.
Diff maker	drains.	dete		Grains.	Td. Rs.	Sin Assess proper
Raj-muhri	Same and	100 - 500	2000	******	Street,	See Asiam rupee.
Rájshlú	169.73	Wat IV	85.8	144.60	68.298	
Raichur I	173.00	Wa 4.5	89.5	155.51	94.144	(Madran table).
2	175.00	Wo. 5.3	80.4	356.41	P4.792	The second second second
Båthgurh	168.35	Wo. 11	87.1	146,00	88.651	Om of Sindia's mint
Rikahi more and	175.00	Wa. 10	37-4	150.50	91.219	Sur Manager and
Transmis betrammerren	The second second	I was a second	50 to 10 to 10	149.07	90.343	
01	172.00	Was 12	56.6		1 1 1 1 1 1 1 1 1	Sec. managers.
84gar1815	170:10	Wa 8.5	85.1	119.90	90.849	Sue Balasahi; sta 80 rati silver 10 alloy; establishe
1819	170 48	WA 9.5	84.4	140.52	99.628	in 1789; peptive
1919	170.45	Wa 9.5	87.1	140.42	90.524	
			100			nt 120 per 10
			11	Liver and	5 mg 3	Fd. Re.
new, 1824	180.00	standard	91.7	165.00	100.000	The Pd. rupes.
Sabāranpūr	171.00	Hr. 4.5	92.5	189.96	96,943	Mint abolished i
community introduction	W. C. A.	410	1000	700.50		1806
Brillmakhi mi	245.51	W	27.0	199 65	26 246	Struck at Trathi
Scimethi20	169.11	Wo. 24.5	77.5	129.93	79.748	garh, Ajmir, an
ere 45	165.55	Wa. 27	100.4	735.54	60 Y/6	nut Mhiwh.
sun, 40			M0.4		62,146	The second second second
oldest,	166.60	Wo. 6.5	101.0	150,60	90.969	and erept., 1922
1810	168.00	Wo. 12.5	B0.0	145.00	18E-878	Murmuria, dilta.
1820	168.50	Wn. 25.0	83.4	\$37.00	89.890	Mellih ditto.
Shhuli marring	179.10	We. 1.5	91.1	151.96	83.556	Dibli dimriet.
Sandouru	171.00	Br. 1	92.1	107.70	195, 1991	
Serura	165.00	Wo. 22	82.5	136.12	82.000	Skrowt of Ajmir.
Budling		Hr. 3	DE.A.	105.30		Bigsin Samen
Sardiana	171,20				93.073	
Saronj	168,55	Wa. 16.4	156.8	142.74	86.036	Miller
and the same of th	170.91	Wo. A	90,10	165,62	MA,226	and the second second
Shahpari	174.00	Wo. 10.	87.4	151/95	92.138	Corrent to Holgann
		793.	1000		100000	Ajmir, ste.
Shamshirt1d	172.07	Wn. 30.5	#0.€	138.00	84.150	Current in Aurengia
ean 21	171.61	Wa: \$1.5	18.6	131.80	81,692	Amayol in 1935, m
ean 28	172.00	Wei 28	80.6		3000	
Make at a		0,000	9.7	137.69	H3.354	Huiderhild. Bee Udiper.
	144.00	We ha	44.6	ATT. 40	Hitchen .	
Sohagpar,	146.90	Wo. 24	81.7	136.20	82.607	Established in 1800 current in Nov
South Division	174 24	D	mt a	400.00	Transition.	bedda.
Souat, Dihli	179.77	Br. 15.5	98.1	175.41	196-318	The years I to I
sabik minum	177.6T	Br. 10.3	96.6	170.64	1902,359	SHE THEYOU
san 1 to 10,	179.12	Br. 16	5.3	176 13	100.747	Same makka raper
Bet nikkt mirturent	*****	and the same of			anni.	See Puna.
Brisshi	*****		Compa	totale.		See Ajmir, 1815.
Stinagur	170.06	Wa. 6.5	89.0	141.28	91.686	In Nana Goverd
old	197.50	Wa. 16	55.0	142.57		
	101.00	10. 10	Sa,e	142.47	86.259	principal correct of Bundelkhand
Contractor 18	***		100	17 CV	66.00	See Jaham.
Sunamalla	173.54	Be. 0.5	91.0	189.44	96,652	Sarat,
Sárst	174.50	Br. 5.5	93.9	163.96	99,367	Under the Nawhli.
old	176.60	Br. 16	98.4	172,66	105,946	Old Dildi standard
-23-10-10-10-10-10-1	176.25	Dr. I	92.1	162.40	98.363	Depreciated, see p
	21 21 20		200	-		
1800	178.32	Be. 2	92.5	151.94	99,966	Choren as Bombo
Thechartte	100.00	707	200	200	10220	repen.
Tambasahi	169.96	We. 8.5	58.1	149.70	P0.742	Nickname from cop
Thunna	170.50		20.5	155.14		

Name,	Weight.	Samp.	Truck.	Pow contests	Interiore cube of the	Benurks.
Ti-māsha ar (three māshas)	14.26	Or. 3	91.9	11.87	19.315	Coixed in Nepal?
	28.10	Wa.M		15.62	9.467	Ditta, debased.
of Ladakh	40.00	Br. 124	95.6	36.75	23 486	Coined at Lausa
Topusahi	165,19	Wei 22 5	42.2	135.88	82.354	
Toragal Nilkant	170.evs	Wac 21	62.8	195,49	63.673	Struck by Hall Sh- hib, 1788 B.
Toka.	172.24	Wa. 27	86.4	108.51	83 944	Aurang454d, (1832).
Tukashi	173.10	Br. 5.5	94,0	162.77	20.648	Current in Ahmad-
Trinhmali account	176.40	Br. 8	94.0	367-67	101.610	Kurnhtie,
Venkataputi	172.75	Be. 11	94.5	366.35	100.760	Ditto.
Vosiri	168.69	We. 11 d	95.0	196,19	69.783	Sobaggor, in billy tract H. of Janal-
Vaxirshaha	170.00	Wes. 12	16.3	146.02	89.864	por
Walsgaum	172.80	Wo. 0,5	31.5	167.88	92.084	Current in the Dak-
Ynawasti	174.50	Br. 7.5	PLR	382.84	100.000	Struck by Jenwani Ran Bolker, 1900
Zu'like	174.10	Was 17.5	81.4	3.67.00	91-86	See Haidarabad.

(To survert the derivate of the last release into twin and pitte, see the Tubic as page 42. For explanation of the present Tubic, see page 36.)

This curious and hundrome coin (for a specimen of which I am indebted to Major Stary), might be mistaken for an antique from its locating the following Sanskrit inscription in well-out Nagari sharesteen, on the observe and powers respectively.

श्री र्व्हप्रस्वाचितो राजा वकवर्ती भूमध्यचे। तत्ससादात् कता मुद्रा चोवेखिन् वैविराजिते।

थी लखीकानपदांभोजधमराजितनेतसः। येशवनस्य विस्थाता मुद्रेषा पृथिवीतने॥ शक्ते १०२८

- Nei, Indragrouthanthite vejá ekakrenartti hhimandale, Tutpraudáit krité mudra kekeputa najvirajáta,
- Nei Laktharikintapuhlinhliqubliramarajdanlalamh, Teorrastama mekanta muhmida prithiritale,

"By the permission of the Raja of Indeapeacha (the king of Dihli), the Emperor of the world, this soin has been struck by the renowned Youwant (Juswant Rho Holkar), whose heart is as the black bee of the logus foot of Lakskenikant,—to circulate throughout the earth. An Sake 1728 (— a.n. 1836).

Assay of Bullion generally, brought to the Calcutta Mint.

Teconitration.		dang.	Internals of on tules in Pd. Es.	Produce sinks rupous
South American bars marked	24 dia	Br. 20	100 091	102,273
	11 23	Br. 17.6	107.954	101,207
	11 17	Br. 14	100.364	90.716
	15 10	Br. 8	183,636	97.159
Plata pina received from anal-		-		10000
gumatico	Descriptor:	Br. 17.5	107.004	101.207
China rakes, large c Adth) haved (tilte-		100		0.000
phant-boot)		Br. 16	107.271	100,509
Ditto, small placed bland (hurse-hand)	CHEST I	Br. 14.6	100.591	99.929
Calcutta refined cakes, called Mailresi	CTTTO 1	Br. 15.5	107,045	300.855
Murshidabadi	100.00	Br. 15	106.818	100.142
Duces	1000.00	Br. 12	195,454	95.663

Amay of Ace Silver Cake.

Barrasan desanations	Manning of Are Agent Septition	Shark	Albert Sepret.	Track.	Value of the tikele to Fd. Ro
	pare rilves		Dr. 16.5	95,0	161,07
Kharoobat (shell tireled)	A pr. of, weder do.		By. 6.0	94.3	145,16
Dain, to kyat det openimente			Br. 2	702.5	142.28
is the most det accommendate	B pr. ot. H	72.0	stanlard	101.7	141.00
" sheet mon det	B per, etc.	94.0	Wa. 4	90.0	139.44
" kwos, neet mon dot	Tor. it. in	90.0	Wa. 3	500.4	139,08
ngu moo det	Spr.et	.99.7	We. 5	87.6	157.79
Madain (alloyed dain)	The same of	200	Wo.42	74.1	124.08
Yuwetnee (red flowered or ster)	Ava standard	85.0	Wu. 4	.90.0	109,44
w kyat gá	10 pr. et. alloy	77.4	Wu.14	N5.8	132.03
, tshay nga kyat ge		73.0	Wu.38.5	75.6	116.22
n nhust takey go		70 B	Wu,34	77.5	110,917
Abrican Ashani and		-65.4	Wa.72	61.6	04.85
la tekan at		60.7	Wa.77	69.6	91.65
		58.7	Wa.88	65.0	84.60
Account with county		53.1	Wo.109	50.4	71.14
Manager wheat advers at		50,0	Wa.107	51.3	72.42
official follows of		47.2	Wa.172	49.3	69.22
		66.7	Wo.116	43.5	66,65
ko tshay ge		42.9	Wa.134	37,0	57.04
Yowethee gyan		42,9	WW.1.04	41,0	07,04
Rangoon yowetnee	then Ava stand.	96.0	We. 4	90.6	138,44

(A disduction of 1 per cent, should be expected from the produce of Aus bullion, on account of the vitrous rout of lithurge which adheres to the lumps).

This table is abstracted from the examination of thirty-five specimens of silver specially propared in Ava, in presence of the Resident, for the comparison of the Burmese with the English assay.

· Sen page 24.

Table of Copper Coins.

(Where not otherwise mentioned, the name tells the place of coinage and circulation. Since 100 grains is the weight of the present paint, the column of weight also expresses the intrinsic value of 100 of each sect in Company's paint.)

Nam.	Whogsid in heap grains.	Private rate per rapes.	When current, Semeric.	
Agya paisă	149	60	Correct in the Ages district.	
Akbari, ald		30	Ditto, but energe,	
Allahabad	141	144		
Almorah	85	rer:	[208 grs.)	
American rent	167		One cont, 1810 : /by law of 1790, should be	
Anleagurh	170	644	Squies, Hindi imoription.	
Balashii	243	155	Throughout Kalpi, Shpar, etc.	
Barellt	149	40	The state of the s	
Babbr		54	See Patna,	
Benken	084	64	By Regulation X. of 1809, Trisull paint, also Reg. VII. 1814. (See page 8 and 39.	
Abilara	597	-12		
Bhilm	WEG	71	A. H. 1070-	
Bishanukth	414	100	Madelities on home at \$100 and seed	
Bombay, 1797		50	Marked 45 to one ruper, 4 V. E. I.C. and arms Cound in Fagland; device, arms, and waise, A.C.	
1600	100	04	Now solvings, with the same device.	
Dharpor manager		-02	The second second	
Dundi	274	32	Marine Theorem Community of Life Aug.	
Culentia, 1782		1927	Marked 'e. V. c. 1792,' and on the reverse of shield and cover.	
1704	160	164	Querter-And, induced on the 4th May, 1706.	
1796 to 1809	134	-64	to 12 take weight, and afterwards in 1809	
1809 to 1817	101	84	to 9 Ands, the weight of the Bahler paich.	
1617	100	64	Present standard weight by Rog. XXV, of 181	
half box		38	A Section of the Control of the Cont	
one ph'1		192	By Bagulation III. of 1831, (See page 4.)	
Coylen	1		Coined in England, device an elephant, 'twe allows,' the care, and the half-, stirer i	
Chikas	Ten	30-32	Banda.	
Chinawa		Own	Chinanta? In Lahor, near Kangra.	
China minorities	1000	250	Bruss min with square boles, various sizes.	
Chalan	249	35	Same as Chikna, extrent in the Doub.	
Dihli	172	41-60	Coined until 1815, weight one tell, or 80 to the set.	
Dutch	230	See .	Square lump, marked "two strs."	
a named		Ser.	Transpolar, rode rain marked one str."	
English penny	412	-	Old penny-piece.	
DEM	290	2.00	New penny, legal weight 291,6 grains.	
French sous	156	-01	Bran, five sentimes, lural weight 164 grains.	
Farrukhábád		26	Prescribed by Evg. III 1806 (not coined).	
1816		169	Established by Regulation XXI of 1816.	
Gokala or	110	70	Current from Mathurs to Mainpurt.	

Same.	Weight E-may on true rate per graine. Propert.		Water Commercy - Michigan		
Guraklipue	186	20-36	Berlins district, brown standard point.		
	146	62	Marked Muhammad Akhor Shale		
Gwallar, ald	290	Dress.	Near Naspur.		
Hideek	5000	34	Current in Nigptir.		
HAtras	115		Le Milwa gunvally.		
Indut	2.52	60.1	Bandalchond, the Billishli passi.		
Jallam - Commune		100	Marked 10t B.V E.L.C.		
Java, 1814	172	Part .			
lichted	260	200	Correct in Bandalkland		
Jahalpaz		500	Narbadda valley.		
Impur		.51	Agra and Justice districts.		
Kukureti	232	40-45	Near Panni in Bundalkhand bears a device resembling a Hansmin - 5110 per min.		
Khatri	257	296	? Kukurdi or Kukunti.		
Karell	251	36	Carrent at Dihit and Karoli,		
Madras, 1803	1.80	jim.	XXhis pleas, reined in England.		
1806	120	10.7	Three fallos, or one folion kinned (little fanam		
1832	100	64	Equalised with Bengal and Madran paint.		
Koth		34	In Keth, Almir, etc., a square coin.		
Lukhnow, old	195	100	Muchblishhi, Current to Outh and Kanen		
new		40	Shreakt, 1 to Mainpurt,		
1506		293	See Furrathubbel.		
Madhushi	270	35-10	Chief surrency of Allababbil and the Doals formerly of Benkon and Mirarpur.		
Maiwar	9.4	978	A very smill ruin.		
Marwar	Dane.	Commit	15. 14.00 mine 13.mm		
Muzaffarhbid			Control of the State of the Control		
Manufert approprie		35	In Agra, vir.		
Mathurb, old		965	and the same		
new		- 68	Agea, Mathesek, Bindridon, etc.		
dealds		3)	Agent accounted with the con-		
Nazir Shah		50.1	See of Ghiared die Shith r ancient, equar		
Ventil	000		point of Shour district.		
Nepal mixe-in-		40	Carrott in the Tutti.		
to located	164	80	Babislurshit, seened and current in Neph.		
Najibahad	242	40	In Susuiti and Robitshand.		
Nugar !	The same	100	Marked 'Nager 5721,' device, a rade simplions seems have 'Pen, Paton,' or Zarb-i paton.'		
Nazwar	107	275	In the Narladda Territories.		
Nawtothi	197	47	Old Lakinow, so valled.		
Patro, eld	340	3037	Of native fabrication.		
1817	301	154	Coined at Putas and Calcutts.		
Penang	1.85	-	in England. Current in Penang, Sings		
Bankla morecan	2600	1	perc, and the Maley perments.		
Pattela (Rejustit)	170 5	24	Current in Patials, Dibli, etc.		
Raigarh		36	AS A CHICKE		
Rhjmahai	160	512	Coined at Réjmskal.		
Rowaskhi	220	45	In Brech? drvies, a kind of Nagari figure one		
Sagar ?	-	12.00	See Hillstalii.		
Supar	170	55.	The 'Nager', poid, in called by the natives		
Saharanpür	255	35 F	Also called Alazzahia		
Tari	254	125	? Tehri.		
Tehri	1000	43.	In BlandsReland, equal to Thinst.		
Tirlinga	1.50	-00	Telings, or Southern India.		
Tranquebar	129	100	Dutch, newked 'I St.' (one stitut):		
Udipar		180	About double the Manwlets,		

The weights, unless otherwise stated, are taken from epicinomic collected chiefly at Benfore

SYMBOLS, ETC. ON MODERN INDIAN COINS.

Before giving the Catalogue of Symbols figured in plate xlv., it will be convenient to direct the reader's attention to plate alvi, which gives such samples of the modern coins of India as will cumble him to recognise their principal varieties at sight. Those of Nepal, Assom, Kacher and Lassa, are sufficiently distinct from the Nagari, Bengilli, and Tibetan characters on them; the pogodas, also, of South India carried be inistalent. The Negari coin of Keri may be classified from its Latus symbol, although it is otherwise difficult to docypher the invertition. But the great majority of coins treated of in the foregoing remarks and Tables are similar to figures 2, 8, 9, 10, 11, and 12, which exhibit partians only of a Person inscription, generally of very imperfect escention. These our only be known by the signs or symbols of the various States inserted in some conspicuous part of the impression: thus, No. 11 is known to be of Inder, from the Solar effigy. The following particulars of the coins in plate siv. will save the necessity of any farther associal associate, in addition to those already ninde at page 40.

L. you Dive the ment arrest.

Now [and up to 1835] coined at the Calcutta mint; brating the Shah 'Alam distible, explained in page 2. All the Company's effect and gold money of Bound, up to the present day, is of the same style, containing the whole inscription, of which parts only are visible on most of the native coins.

I. THE DOM ASSESSMENT REPORT

Current in Malwa, and coincil by the Raya of Pratapgarh. The wards visible on the

شاد عال حامي Ohversor

(intended for ShiA 'Aloo Ann' soldies, etc.) and the Hijra date, 1109, which, however, does not correspond with the year of reign on the Reverse.

"Title prior of the proprior wigh."

This is the carliest year of the coinage of these rupees; those of the tith sun were in course of coinage in 1823. They were issued to the troops at the exchange of 122.6 per 130 Farrukhäbid rapoes.

S. THE RATELINGS AND REPER-

(Near Kota Bundi) known by the Letus starbel; coined by a petty zantindar; much debased. In the Bhikkii didner,

Obverse :

श्री रामचपरासी पवनपुत्र वनपायन

Selection of opening processors a belogistics. "All-proceedul set of the sir (Hammeda) expent of Rhom."







Reverse:

यसपर कापा में राजा जवसिंघ के २० जवनगर।

Is par chaded man rajid Jay Singh he 21 Jayunapar. 'On this coin is imprinted the 21st (year) of Raji Jay Singh at Jayungar.'

The initial and final letters are imperfectly visible on the coin; the purport shows it to be struck at Jaynagar, a village near Bajranggarb

A THE MEPAL MENE, OR HALF BUPER.

Obverse:

बीबीबी प्रताप सिंह साहदेव १६८६

SriSrided Fressy Sink Sak Devs (titles of the Rajk) 1686.

Reverse ;

जीजीजी गोरवनाय

Bridiri Gerakhmath, (the principal god worshipped by the hill people, whence their name of "Gorkhas" is derived.)

Centre:

बीबीबी मुद्धेवरी

Brideidet Gulymmuri, 'the omniscleut goddon Devt.'

S. AN ARRAMMED BUPER,

Of an estagonal form. The inscription is in the Bengali character, but in the Sanskrit language.

Obverse:

अ अ वत भोड़ी भगकु स मध्यतमा

SriSri Harn Gouri puddenlage madded arrays, 'The sipper of the honey of the fact of Sri Harn Court.'

Reverse:

জ্ঞ মত বৰ্গ মের ক্লপ্র সিন্দ্রস্য লাকে ১৯৩০

SriSri mat Sworps Deve Rudra Sundaye. Sake 1600, 'The blessed and celestial Rodra Singh.' The Sake date corresponds to a.p. 1706.

6. A KARRAS BUFER.

In this the Bengali letters are connected together by parallel lines. Obverse: The inscription is not intelligible.

Reverse :

अ शिहीन छक नाहाम्।

Sri Girls Chamfre Ndriyons (the Rajk's name).

Coined at Lassa (cide page 33). On the obverse, in the Tibetan character, gluing pulse, 'pure money,' chak hehlin (name of the Chinese Emperor). On the four curners of the margin of another coin similar to the one depicted, are the four letters nyi he rise lns (25) meaning the twenty-fifth year of the cycle of sixty years (= 1.0. 1831): the date on the coin in the plate is not decypherable. The Chinese

¹ The plate states it to be a Pratipgarh rupee, as it was labelled in the Assayoffice cabinet; but on reference to Major Stacy, at Nasirkhid, it turns out to be as
above. The inecription was read by a panelit at that place, who makes the last
words, 'Jayaning's Re vij Jayanin was;' but I consider the above more consistent
with the specimen in my possession.

inscription on the reverse consists of four words, ka-kes pos-chang, 'the Emperor Ka-hen's ' precious money.'

S. THE AREST SUPER.

The full inscription of this (the Madras) coin is given in page 3. It is known by the part of Syl visible, and by the groups of four data and the lotus or lily.

9. THE SÁGAR SUPER.

In this the Shih 'Alam distich can barely be traced. The trident, star, and flag of Siva are its distinguishing marks.

10. тик міорби моряч.

This coin bears the inscription of Muhammad Sháh. Sikka mubdrik bid(-shdh Gházi Muhammad Sháh) only recognizable by the two final letters of the Emperor's name. It is known to be of Nágpár by the H bh (or H inverted?) which may stand for Bhunsla, the name of the reigning Rájás of Nágpár; the 't' (narb-i ...f) may be the final letter of Hingan Ghát, the place of coinage.

11. THE PROPER SCHEEN

Parts of the words Shith 'Alam hadehald are here visible, and the usual year of the reign : the solar disc distinguishes the coin.

15. van unfanint, an new loamnow hoven.

Besides the abourd armorial bearings, constructed of two tigers, two fish and a dagger, surescented by a royal ambrella; this rupes bears the following inscription:

Obverse:

سكه زد بر ميم و زر شاه زمن غازي الدين حيدر عالي از فضل رب دوالمنن سنه ١٢٣٨

'The king of the world, Ghani-ud-din, Haidar 'Ali, by the grace of the Lord of Olory, has struck coin in silver and gold, a.m. 1228,'

Reverse:

ترب منه د جلوس میعنت مانوس دار السلطنة صوبه اوده In the 5th year of his illustrious reign, at the expital of the schuh of Oodh.

13. AN ANCIENT GOLD HER,

with part of an inscription in the Sanskrit character on one side, and a single image on the other.

14. A MUDERN DOUBLE PARIDDA.

Struck at Madras, showing the character of the former English currency of that presidency.

IS. THE COMMON BRANTPON PAINT.

Shewing that the copper coins may be also recognised by their ap-

¹ The late Emperor of China, written 'Ken-king' in the Angle-Chinese Kalendar, reigned from 1781 in 1821.

2 I have since been informed that the symbol on the Nagpur rapes is intended for \$2 the Markthi numeral equivalent to \$2.







propriate emblems. The inscription will be seen to be part of the Muhammad Shilk legend.

The MARKAS COUPER COPS,

Struck in England for circulation at Madras (see page 4). The same cost of arms will be found on the Hembay and Pecsang copper currency.

CATALOGUE OF SYMBOLS ON MODERN INDIAN COINS. (PLATE XLVL)

[Taken from specimens in the Assay Office or in the author's prospector. In some cases (marked?), it is probable that the specimens have been miscaused from their being found current in other districts with different names.]

VARISTING OF THE PART, ('SLOWER') 31 Madras, Shidopir, 'Aliasgur, 32 New Midden. STAR, AND BOY, 1. Company's rupeo. Gokula rupee? 33 Garnidi rapso (Arkid). 2 Barnes copen. 34 Uhundur. 28 Gokola, or Gundonhii purch. 3. Islâmābiai muler of Aurangerb. 29 SCALETT i Vasirokhi enguy, mu 9. Balisaki [57 Ougen now, Cheerla common A Surat & old Bombay (with a crown). 6. Kerah (in Allahablad) with 21. BY KMIA. 7 Seinegar, with 4A. Shgur with 45. we Philips ! Mobile of Dubb c. B Halaret Also 10; 48 Bhartyor polick per plate alv.). 43 Old polym femind in Shear, O Saharenpary comment. VALUETY OF THE PRINTS, DATE: THE 10 Phano with 5 house, Owohor. 11 Sugar with 45. [complate xiv.] " WHITE SEAL " 42 Mothura Milion, Higar-12 Murshidabad. (3) Barolille, while not. All Sumagery both 7. 14 Saharungur, with 9,145 Old America 43 Old Sugar, Killyin ta Old Sans ambr. 45 Cidion, vie. 40 Malet public will all, and 16 Jalwan be Jolaan ! 17 Siwai gold make, Avenugob. 17 Night today, they place also y Nagyur, with 64. Gakulo, with TR. 48 Bloopid, Bhilefi, EleRquele... 18. Cammon: Ugain, with 52 or 47. 49 Tology, policy Chipter 5th Hamson, 51 Old Dibli wei Pervskiblidd permuun, 10 Arkat Chilki Arkit, ole, 20. Private mark of Benlieve migh Com-Negotic of January Miss. 57 Natir Shkha, tald Norbachit, paint. tre dot unlarges). 21 Keep or Corolly with C. 63 Sulting Machinermal, PROFE, PARSA PROFE, PROWER, ENGY, 22 Ulidia his North report and with 57. 23 Old Farrakhikloid ruper and multi-24 Oberatpur: (no place siv.) an Keet rapes. 25 Chinawa rapor (Arkit). let Bundt. Keek. 26 Bhikaniz, with 62, 63. 27 New Korls, with att. 56 Hardii (Narbudda). 27 Mainir, commune , Classificat. VARIETES OF YELL PARAM, "LOTES" BE 50 Kata variety, Enjrangement TRAMERICAL ... 60 Bessers, ald, small with 80 28 Inder, eld, with 29. 81 Blicksnir, with 26, 62, 65, 20 Ditto. 62 PEVLESO. -17. 30 Barelli, with 12 61

VARISTIES OF THE SATAR, OR ! DAGGER. BARCHEA, 'SPEAR' OR 'SCRPTER,' GODA, 56 Akhar II. of Dibli-small. OR "NACE." 64 Jodhpár. Páli. 97 Narwar. 56 Bhartpur. (see plate xiv.) 65 Kochaman, with 92. Boydeabl. 99 Siwki gold muter of Muhammad Shah, 66 Jodhpur. Nagor. 67 Burelli ? Urchis? Pak. with 13 : small. 100 The Ankar of Puna,-Chiter, NUMBERALS AND LESTERS. JUAN, THUMAN, 'BEARCH OR SPRIN.' 101 (10) Hall sikks of Puna, Nagpur. 68 Bhilara. 69 Juipur-Siwat gold muhr. 102 (9 nr 17) Rows paisk, Bhilsh? 70 Ajmir. 103 (70) Jahalpur, 71 Chitor, Krishnagurh. 104 (55) Signr. (05 (75) Inder old rupes. 72 Salimabhi ? (Juspur). 106 a (12) Old Nagpur : 73 Juipur rupes and mahr. 4 (9) New du. 74 Bundamola? 167 Tekri, flandelkhond, illegible. 75 Mathora, Jaipor, 108 (art art) Srighti rupes of Almir. 76 Chimar, with 100. Udipar, Chiner 100 (A) Huldari of Malsur. 5 blo 77 Burhanpar ! 116 (at se,' cow') Chiter; from the pro-VARIETIES OF THE ROLL, OR PERS. each regarding the simplifer by 78 Crounds paint. Akhar : "puls mara de paip." 111 (WT od) Gold male, unknown! 79 Outh, Lukhnew old regue. 112 (EII ad) Delmont Ditti gold male, 80 Ditto, Barsill. Old Bonkeys. 81 Muchlishli of Lukhnow. sup 25. NJ Benåres old. MINCRELLANGUES. TOWN BUT! ALBERT 110 (shell) Histories in Neptl. 53 New Inder ropes and make. 134 (Penjis, "finis") Almorah. 84 Inder.-Ujisio. Ilú Stlimstki, date 1109. (see plate ziv.) Varioties. to copper soin. 510 his Bel paitil, Makeswar, with 67. 117 87 Longam, Mahawwari rupus. 118 Mawkel paink. 88 Patak, 'flag or standard of Siyo.' 110 Kukumti, neur Pennih in Bandal-Sagar rupes (pl. xlv.). Nagptir. khand (the god Hanuman !) 120 (slephunt.) Nagur, Patan, Sopur? TABLETON OF THE "SWORD:" SEAMARING. Struck by Tipa? 89 Chanda, Gwaliar, -commun. 123 (Chhera, 'the royal umbrella') on 96 Haidarabad, of Khaim 'All. seems of Muhammad Shish and Shish

.. Govind-bakhabi. 91 92 Common shamshirt. 93 Kochlemon, with 64.

94 Nagpur, with 17. Katmanda (see p. 31), Ralkb. 95 (Pistol) Agra paica.

124 Jhand. 125 The smartike emblem of the 7th Jina; frozid on super coins.

"Alam's Dibli coins.

122 Variety of

123 Ethen muhr.

¹ The distinguishing symbol of the sld Nagpür raper, strock at the Chanda and Hingan Chat mints was as above, a Markthi 41. When Barka Ran and Dr. Gordon had charge of the mint, their mark was a flag (88). The new Nagpürt since 1825 has the figure 9 above this flag. Other miner varieties are marked as follows:—the Yeswant Ran Nagpürt, by +; the Man-Khat-Sahi, by =; the Ugno-Sahi, by a Markthi 10 (fig. 101); the Bamji Tantia has a half moon →; the Nassingh Ban the same with a dot in the centre →; the Siva Ran, the same with a dot on one side → There are many more, but they are not considered chales or current.

NOTE ON THE HISTORY OF THE GOLD AND SILVER CURRENCIES OF INDIA.

[As the general subject of metallic currencies is just now attracting the serious attention of the European public, it may be useful that I should recapitulate briefly the facts to be gathered from the detached notices of the coins of the various kingdoess and diverse epochs illustrated in the preceding pages, which throw light upon the little known history of Indian mintages; and further, that I should complete the review by exhibiting the action of our own civilization on the circulating media of these later days, especially in reference to the important question of the institution and organization of the gold coinage as a legal tender, and its eventual supersession as such in 1836.

I have elsewhere expressed an opinion that the people of Hindústán, in very early times, had independently achieved considerable progress in the art of coining; even before Greek civilization reached them through the influence of Alexander's expedition, and the subsequent settlement in India proper of the Bactrian-Hellenes. we are able to trace by the produce itself, each phase of mint development and each successive effort of invention tending to the production of a perfect coin. The earliest movement is seen in the fabrication of irregularly outlined flat pieces of silver or copper, of fixed weights, whose currency is marked by the symbols of consecutive dynasties, punched at hazard on their surfaces. Next, we remark a more careful rounding off of the metal, and the application of a single die over the whole of one surface, the other being left blank. As we proceed, we meet with complete coins; but these are cost in moulds, and may possibly indicate separate and independent progress. Specossive modifications and improvements are observable in either class, which it is not necessary to follow more at large in this place; and, finally, we arrive at excellent specimens of an issue of fairly coined money, seemingly local in Northern Hindústán,' which there is good reason to assign to a period prior to the advent of the Greeks. Coins of these epochs have been found in silver, copper, bronze, and lead; the nondiscovery of any examples in gold does not necessarily lead to the inference that the metal was not used for opining purposes; but merely amounts to the fact that, if used, it was of rure occurrence-

Coins of the Behat type. Article X.

The Bactrian-Greeks, as far as their Indian provinces tell the tale, would appear to have restricted themselves to a currency of the two metals, silver and copper. Their successors, the Indo-Scythians again, discontinued the issue of a silver currency, and supplied its place by a gold coinage; increasing, simultaneously, the weight of the copper pieces. There is some uncertainty as to the dates of encceeding dynasties; but we find the Guptas,-who imitsted the devices of the Indo-Soythian money, in possession of a copious gold currency in their eastern provinces on the Ganges, sided by a limited silver, but sufficient copper medium of exchange; while their dominions towards the Western court were supplied almost exclusively with a silver coinage based upon the mintages of the Sah kings of Saurashtra (Gujarat); who in their own case had previously copied the style of the Greek hemi-drachmas of Apollodotus and other sovereigns. Here we must pass over centuries, and present our next tableau in the time of the Brahman kings of Kalsul and the Punjah (about the 10th century A.D.). In this instance also the currency is confined to silver and copper. Mahmid, and his successors of the Ghazai dynasty, emplayed gold in addition to the lower metals. At the period immediately preceding the Mahatamadas occupation of India (a.g. 587, a.g. 1191) the northern provinces of Hindustan were furnished with a currency composed of a combination of silver and copper mixed in uncertain proportious: while the Bahter memorchs of Kanauj still continued to issue gold. The former coins, which were entitled after the capital, Dilliwals (الاسوال),' were adopted by the Pathan Sultans of India, and a middle currency of such incorporated metals remained in use up to the time of Babor (a.n. 930, a.p. 1523-24). Simultaneously with the retention of this type of the local meney, the Muhammadans introduced modified forms of dirhams and dirars, of equal weights (174 At what relative proportion these stood to each other we are left to conjecture, as history is elent on the subject, and the coins themselves afford us no means of instituting a comparison. The lower currency was completed by a copper coinage, which in some cases extended to so minute a division as 17.4 grains.

The celebrated Muhammad bin Tugblak [a.u. 725, a.u. 1324-5] introduced an infinite variety of new coins of all descriptions, and evidently remodelled the rates, tegether with the weights of his currency. The gold ceienge was raised from 174 to 200 grains, and the silver reduced from the former amount to 140 grains. But his grand effort at finance scenes to have been reserved for the production

of a scheme of a representative currency (founded on the Chinese paper credit system) in which copper and brass tokens were stamped with an authoritative impress of value, whether as the equivalent of gold or silver; and in addition, parallel representatives of the ordinary subdivisions of each, were issued to complete the currency. This attempt, after producing countless troubles, and resulting in utter failure-even under the guidance of an absolute and unacrupulous tyrant-was abandoned definitively before the expiration of three years from the first promulgation of the ordinance. I need not notice the minor incidents of Muhammad bin Tughlak's mint administration, further than to note a seeming reversion to the previous system of weights in the latter part of his reign. Nor need I more fully advert to the state of the currency under his successors, beyond remarking that Baber seems to have designed to substitute his Central Asian scheme of coinage in place of the then existing local distribution of the currency. However, when Shir Shah had driven Humayun out of India (a.n. 949, a.n. 1541) he entered upon a general reform of the coinage, which had the effect of introducing the new universal rupce, and abolishing the unsatisfactory compound of mixed metals; in addition to simplifying the lower coinage, by its reduction to a fixed and determined standard of pure copper,' representing the dam, which we must suppose had previously been minted in billen."

At length we reach an epoch when we have no longer to depend upon the coins as our only data, but are able to eite written and contemporary authority for the illustration of our subject. Abbar's minister, Abb'lfaul, has preserved to us a full and complete record of his master's mint arrangements; from this we discover that the authoritative standard of the day was copper, based upon the dâm, which is defined as "a copper coin, in weight 5 tanks, or 1 tola, 8 mashes, and 7 ratis, in value the 40th part of a rupee." The text of the "Ayin-i Akberi" goes on to declare the weight and value of the gold and eilver coins, the equivalents of each being expressed in dâms, and their relative exchangeable value inter se being for the moment altogether ignored. In this same mousure of value all the revenues of the empire are estimated, indeed, it would appear from an incidental notice in connexion with the subject of relative values, that the definition of the worth of

¹ I have estimated this roin at \$22.5 grains; pieces new in existence weigh as high as \$22 grs. (See * Numismatic Uhronade, * xv. 1852.)

^{2 &}quot;The dam," says Abu'lifael, " was formerly called pysat and also Bahleli,"—Bahlel Lodi's mixed seeinage contributes included specimens that might well represent the requisite value, as tested by present assays; but there is an absence of uniformity in the general results that forbids our recognising any specific class of higher or lower equivalents.

³ Gladwin's 'Aylasi Akbeel,' L. p. 37.

gold by any silver estimate, was—like the rapee itself—a novelty.\(^1\)
The materials afforded by the text of the 'Ayin-i Akberi,' whether tested by the valuation in dâms, or by the equivalents subsequently given of the rapee correspondents of the several descriptions of nubra, equally establish the result that gold stood to silver as 1 to 9.4. The rapees, it will be seen, were themselves of various standards, ranging from the 39 dâms of the old round rupee, to the 40 dâms of the square jalálí; and, in fact, it is acknowledged in one place that even the estimated rates were uncertain in their application, and that the silver coin was left to find its own level in the market.\(^1\)

I now arrive at the period when British influence is felt upon the the currencies of India, and as this is a subject connected with which much misunderstanding and some misrepresentation have taken place, I source myself from any possible prejudice or favor by permitting the Government to state its own case, in extracts from the legislative ensembents premulgated from time to time. The history is unsatisfactory in its earlier portions, and incomplete towards its end, where, it is clear, much remains intentionally untaid.

RESOLATION XXXV. of 1793.—Peraguit.—"A Regulation for re-enacting, with amendments, the Rules passed on the 20th June, 24th October, and 31st Nevember, 1792, and subsequent dates, for the reform of the Gold and Silver Coin in Bengal, Behar, and Oriesa; and for prohibiting the currency of any Gold or Silver Coin in those provinces, but the 19th Sun Sieca Rapses and the 19th Sun Gold Mohurs."

"SEC. I. . . The sices rupes of the 19th sun is the established silver soin of the country, and the rupes in which the public revenues are payable. It was with a view to render it the general measure of value, that Government determined in the year 1773, that all rupess coined in future should bear the impression of the 19th sun or year of the reign of Shab Alum. . . . "The rules by which the gold coin has been regulated have been productive of evils, similar to those which have prevailed with regard to the silver coin. Under the native administrations, and until the year 1766, the gold mohur was not considered as a legal tender of payment in any public or private transaction, nor was the number of rupess for which it was to pass

² "Although the number price is superlimes more or less than 40 dams, yet this value is always set upon it in comparative calculations."—Ayin-i Akberi, i. 26. The

original passage is quoted in the lasts of note 5 p. 5, suprá.

When And-al-dadah "was sent to Kundes, Raja Tudermall made the price of gold rachues to be estimated in rupers." i. p. 39. The original Persian text is somewhat observe in this passage; and the MS copies vary in the wording of the sentence; but Gladeria seems to have fethomed the real meaning.

current ever fixed by the Government. It was struck for the convenience of individuals, and the value of it, in the markets, fluctuated like other commodities: silver being the metal which was the general measure of value throughout the country. In the year 1766, the value of the gold coin, with respect to the silver, was first fixed, and the former coin declared a legal tender of payment. A gold mobur was struck, and ordered to pase for fourteen sieca rupees. But as this coin (calculating according to the relative value of the two metals) was much below the worth of the eilver, in the number of rupees for which it was ordered to pass, it was found impossible to render it current, and it was accordingly called in; and a new gold mohur, being that now current, was issued in 1769, which was directed to pass as a legal tender of payment for sixteen sices rupses. The intrinsic worth of this coin was estimated to be equal to the nominal value of it, or as nearly so as was deemed necessary to render it current at the prescribed rate." [The liegulation then goes on to enumerate the difficulties attendant upon giving free currency to these coins, and proceeds to say .] "The means which appear best calculated

"The people of that country (Bengal) had been so long accustomed to silver roin, that they have would, except when forced to it, receive the moburs in payment. So the Company was obliged to make a new regulation in 1769, little better than the former. At last the gold currency full all together to many per sent, below its intrinsic value, according to the saying, Dum estant stalls, eitis in conterna energet."

Sir J. Steurs, at p. 36 et sey, gives us the weight and standard of these coins:— The 1766 modur was 26 carate time, or 20-24the: full weight, 179-66 gra, proportion of fine gold, 149-72 grains: lasted as the equivalent of 14 rupees.

The rupee being 179-60 gra, in full weight, and containing 175-93 gra, of fine

The rupes seing 179 to gra, in this winger, and containing 170 vs gra, of the silver.

The modur of 1769, full weight 190 773 gra, contained 190 086 grs. of fine gold: the value being fixed at 16 rupees: the after currency remaining as before.

Our author continues: "Now if we go upon the supposition we have hitherto adopted, vir., that the proportion of the metals in India was supposed to be at 14 to 1; then in this coinage of 1769, the gold was over-rated nearly 62 per cent."

^{*} Sir James Stemant, in his work, estitled 'The Principles of Money applied to the present state of the Cain of Bengal' (a.n. 1772), gives us some interesting details as to the sim and object of the original establishment of the gold currency of Bengal, and the want of access that attended the measures of Government, confessed to in the above Regulation. He mays: "It has been observed, that this coin, called gold molura, had been formerly seconed at Debit, of the same weight and finences with the signa rupes of Bengal and other countries of Bindestan; but that they passed conventionally, having no legal formerisation. In 1766, . . . it was proposed, as an expedient for augmenting the convent of specie to make a coinage of gold, . and the directors of this operation, pitching upon lifteen Arcot rupes as the value of one gold molar, instead of estimating the value of these lifteen Arcot rupes by the fine metal contained in them, estimated them by their current value, which was above the proportion of their intrintic worth. Not satisfied with this first deviation from principles, they added to the mehar (already sver-rated in its proportion to the fifteen alver Arcot rupes) no less than 8 per rest, extenden mination, estimately arbitrary. So when this gold currency cause alread, it proved to be no less than 174 per cent, were in payments than allow rupes of Bengal, Madres, Bombay, and Surut," pp. 26, 27.

to render the gold mohur generally current, are to declare it receivable at all the public treasuries, and in all public payments throughout the provinces, at the rate of sixteen sices rupees."

Sec. 2. defines weight and standards, or-

"Gold mohurs, 190-894 troy grs.: Assay, compared with English standard gold, better, 1 car. 31 grs.

"Sicca rupors, 179 grs.: Assay, compared with English standard silver, better, 15 dwss."

Sec. 3. specifies that these gold moburs "are to be considered a legal tender of payment in all public and private transactions... at the rate of sixteen sices rupces;" and further defines penaltics for their refusal by the native Treasurers; and to complete the authoritative currency, it is even declared in Sec. 20, that "no person shall recover in any court of judicature ... any sum of money, under a bond or other writing, or any agreement, written or verbal, entered into after the above-mentioned date, by which any sum of money shall be stipulated to be paid in any species of rupces, excepting sices rupces or gold moburs of the 19th sun, or the halves and quarters of each."

Res. VI. of 1794 postpones to 10th Δpril, 1794, the operations of Secs. 18, 19, 20, and 23 "as regards the silver coin."

Rass. LIX of 1795 further postpones the operation of those Rules to 20th April, 1796.

Rev. LXI: of 1795 refers merely to the amount of hos which is to be held to reduce these rupses below the standard.

Russ. I. of 1797, V. of 1801, and XXXVIII, of 1803 relate to examption from duties of gold and silver coins.

Res. XLV. of 1803 gives effect to the arrangement for the mintago of Lucknow or Furrakkibid rupers, of the "same size and form as the 19th sun sicea rupers"; weight and standard to be hereafter determined:

Sec. 25 is, in effect, to the same tener as Sec. 20 of Reg. XXXV. of 1793, except that gold moburs are not alluded to; but Sec. 42 explains, that "whereas the gold coin, denominated gold moburs, has never obtained an extensive circulation in the coded provinces, in consequence of silver having been the general measure of value in these provinces, from time immemorial; and whereas, during the government of the Nawab Vizir, the value of the gold moburs in circulation, with relation to the silver coin, was never fixed; and, whereas the coinage of gold moburs has been long discontinued by the Native Government of the said provinces, as well as the adjacent foreign states; it is not, therefore, judged necessary, at present, to establish a gold coinage in the provinces in question. The gold

mohurs shall be permitted to be circulated in the ceded provinces as heretofore, according to the value which individuals receiving and paying the same shall determine; but, gold mohurs shall not be considered to be a legal tender of payment in any public or private transaction, nor shall they bear any fixed rate of value, compared with reference to the silver coin . . . established by this Regulation."

SEC. 43 of any, provides for the copper suinage.

Rag. LIV. of 1803 postpones the operation of Sec. 20, Reg. XXXV. of 1793, to 16th August for the province of Chittagong.

Rev. XII. of 1805, Sec. 18, declares that after a fixed date, "no money will be received in payment of the public revenue (in Cuttack), excepting Calcutta sicea rapers or gold mohurs of the 19th sun."

Sac. 15 extends the penal provisions of Sec. 20, Reg. XXXV. of

1793 to the same province.

Rns. III. of 1806 specifies the weight and standard of the Lucknow sizes rupes, introduced by Reg. XLV. of 1803, viz.: 175 grs. troy. Touch, or parts of fine silver, in 100, 95.5; alloy, 4.5.

Res. IV. of 1807 refers to rupees alone, and determines the rates at which rupees of sorts shall be received and issued in the ceded

provinces. Sec. 8 makes the same applicable to Cuttack.

Rec. XIII. of 1807 rescinds the penalties named in Secs. 20 and 21, Reg. XXXV. of 1703, and in perallel sections applicable to local divisions of the country; it being selmitted that in many cases, "the penalty of non-recovery by judicial process is not only a hardship to the individual, but is repugnant to the ends of justice."

Run. II. of 1812 defines duties on the coinage of bullion.

SECS. 10 and 11 specify the weight and value of the Benarcs rupes as 175 grs. troy. Tench, or pure silver, 168-875; alloy. 6-125.

Res. XVII. of 1817, Secs. 9, 10, and 11 prescribe punishments

for counterfeiting, debasing, etc.

Res. XIV. of 1818.—The preamble states, "The high standards established for the gold mobur and sicca rupee, having been found productive of many inconveniences, both to individuals and the public,

. . [but] as a reduction in the value of the sicca rupes, from its being in a great measure the money of account, both in private and public transactions, would necessarily change the terms of all existing contracts, and might be productive of embarrassment and trouble, it has been determined to leave the rupes unaltered in this respect; and the new Calcutts sizes rupes will consequently contain the same quantity of fine silver as that heretisfore struck, and, being of the same intrinsic value, will circulate on the same terms. The mint proportions of silver and gold, being, it is believed, inaccurately estimated at present, and it being also desirable that an uniformity in this

respect should be introduced at the three Presidencies of Calcutta, Madras, and Bombay, it has been thought advisable to make a slight deduction in the intrinsic value of the gold mobur to be coined at this Presidency, in order to raise the value of fine gold to fine silver, from the present rates of 1 to 14.861 to that of 1 to 15. The gold mobur will still continue to pass current at the rate of sixteen rupces. For the purposes and objects above enumerated " it is enacted, etc.

Sec 1, par. 2nd.—"The weight and standard of the Calcutte siece rupee and gold mohur . . . shall be as follows!":—

Gold mohur ... weight 204-710 grs. ... fine gold 187:651 ... alloy 17:059 Sicta rupes ... weight 191-916 grs. ... fine allver 175-923 ... alloy 15:993

Ruo. V. of 1819 refers to mint and bullion details.

Res. XI. of 1819 discontinues the coinage of the Benares rupes, and limits "the legal currencies in the territories subordinate" to Bengal "to two, namely the Calcutta and Furruckabad rupes." The latter is specified at—Weight, 180 254 grs.; pure silver, 165 215; alloy, 15 019 = 11-12ths pure and 1-12th alloy.

SEC. 10 secures on equitable arrangement for bonds, etc., "not expressed in Furruckahad rupees,"

Reo. V. of 1821 regulates the rates at which Benares and Furruckahed rupess shall be received in payment of revenue.

To examplify how Governments keep their own laws, I extract from 'Allen's Indian Mail' of 1856, a statement of malited actionshiply regarding certain mint operations sunctioned during the continued currency of this Regulation.—"The market of Calcutta has providely exhibited a great difference of price between the pure gold mobium of old standard and those of the new one-twelfth alloy standard. For seven years—that is, from 1818 in 1825—the Calcutta exist coined nothing but new-standard gold mobium; but in 1825—the Calcutta exist coined nothing but new-standard gold mobium; but in 1825—the Calcutta exist coined having had a large receipt of gold from the flurence, and having obtained also a considerable remittance of gold from the flurence, this Government point was, for the nake of the providency, this Government gold was, for the nake of the providence, this Government gold was, for the nake of the providence, this Government gold was, for the nake of the providence, the old standard.—Regulation XIV. of 1816 providence for the day for the Calcutta gold, not with the said of at the general Treasury at the price of the day. But it was only in 1829 that a similar privilege was consended to private ballion-merchants. The consequence, bowever, of conceeding to them the privilege of obtaining soin of the old standard was, that in the six years from the date when it commented to 1835, when the new Act took the privilege away, nearly so much private gold inflime was brought to be soined as in the sieven proceeding years: and when the privilege was taken away, there was a very limited coinage of the new gold coin, and that coinage was principally of Government gold."—After the pushing of the Act of 1835, the mint speculations would seem to have been less successful; at least, if we are to credit the following, which is affirmed under semilar without its the forcement tensory viz. (there of silver for now of gold), but with the price at which the same gold would sell as a coin; showing widently that our stamp gave no ad

Rau. II. of 1824 abolishes the mint at Furruckabad.

REG. VII. of 1833 alters the weight of the new Furruckabad rupes, and assimilates it to the legal currency of the Madras and Bombay Presidencies, and adjusts the weight of Calcutta sioca rupees thus:—

Calcutta sicca rupes ... weight 192 grs. ... fine 176 ... alloy 16 Furruckabed rupes ... weight 180 grs. ... fine 165 ... alloy 16

The tola or sices weight 180 grs., introduced (as stated in detail at p. 7, sepre).

Act XVII of 1835, Sec. 7 declares, "and be it enacted, that the under-mentioned gold coins only shall henceforth be coined at the mints within the territories of the East India Company:—

1st.—A gold mehur or fifteen rupee piece of the weight of 180 grs. troy, and of the following standard, vir.: 11-12ths, or 165 grs., of pure gold; 1-12th, or 15 grs. of alloy": with proportionate subdivisions.

Sac. 8 defines the devices these coins are to bear.

SEC. 9. "And be it enseted, that no gold coin shall henceforward be a legal tender of payment in any of the territories of the East India Company." (Passed 17th August, 1835).

Acr XXI. of 1835 defines the weight and value of the copper

currency, in the Presidency of Bangal, as follows :-

"1.—Pice, weighing 100 gra. troy.

"2.-A double-pice, 200 grs. troy.

"3 -A pie, or 1-12th of an anna piece, 33 grs."

SEC. 2 enacts that "the said pice shall be a legal tender for 1-64th of the Company's rupee, and the said double-pice for 1-32d of the Company's rupee, and the said pic for 1-192d of the Company's rupee." (Passed 7th December, 1835).

Acr XIII. of 1836 directs that the Calcutta sions rupes shall cease to be a legal tender from the 1st January, 1838; but shall be received at public Treasuries by weight, subject to one pie for re-coinage: and further limits the circulation of certain local copper coins.

Acr XXXI. of 1837 merely refers to devices.

Acr XXI, of 1938 anthorises the "coinage and issuing of any silver coins of a value represented in even annua, or sixteenths of the

^{&#}x27; As there are no Presmbles to the Acts, we are left to discover the reasons which led to this abrupt announcement. 'The Minutes of Consultation in Council' might perhaps disclose the guiding motive. In this instance, however, silence need not be taken for discreet reticence, for many good and valid reasons suggest themselves as warranting the course pursued. And in regard to the new aspect that the gold discoveries have since given to the comparative values of the precious metals, it is to be remembered that at the moment of the pussing of this Act, gold stood relatively to silver at one 15 to 1 in the local markets.

Company's rupee," of the same standard as the higher denominations.

Acr XXXL of 1830 prescribes punishment "for drilling, deficing, or debusing current coin," etc.

Acr XIII. of 1844 is an Act for the withdrawal from circulation of the Triscolor pyce in the province of Benares.

Acr XXII. of 1844 merely extends Act XXI. of 1835 to all "the

territories of the East India Company."

Acr VI. of 1847 refers to the copper currency of the Straits' Settlements.

To complete the series of Government documents, I append to the more formal legislative ensetments, the substance of the notification of the 22nd of December, 1852; which, in its opening paragraph, likewise sufficiently explains the nature of the intermediate order of 1841.

"No. 26. FORT WILLIAM, FENANCIAL DEFARTMENT, 22ND DECREBER, 1852.—Notification.—By Sec. 9, Act XVII. of 1835 of the Government of India, it was enseted, that themseforward no gold coin should be a legal tender of payment in any of the Territories of the East India Company; and, accordingly, gold crossed from the date of the passing of the Act to be a legal tender of payment in the Company's Territories in India."

"But, by a Proclamation issued on the 13th Jenuary, 1841, officers in charge of public treasuries were authorized freely to receive gold coins, struck in conformity with the provisions of the same Act XVII, of 1836, at the 'rates indicated by the denomination of the pieces, until they should have passed certain limits of lightness, set forth in a table published with the Proclamation, or until further orders; and gold coins have been thus received in liquidation of public demands up to the present date."

"Notice is now given . . . that on and after that date [1st January, 1865,] no gold coin will be received on account of payments due, or in any way to be made to the Government."

I have not failed to examine this Preclamation. It specifies the devices (Reserve: "A lion and a palm-tree") for the one gold coinage, "in conformity with Act XVII. of 1895"; and precede: "officers in charge of public treasuring are hereby authorized fronty to receive these gold coins at the rates, until further orders, respectively denoted by the denoccimation of the pieces, until they shall have passed the limits of lightness allowed for wear, laid down in the annexed take, when they will only be receivable as buildon, and be uniper to a deduction of one per cent, for seignorage."

If do not ordinarily permit weself to criticise the acts of the Government of India; but these orders seem fairly to demand a passing notice. Viewing the peculiar element of suspecies of metrers or strong in Asistic minds, and the importance the natives of India attach to every varying plane of the dealings of their rulers, it is clear that the "Ersedation" of 1852 was neither wise nor politic; it is doubtful whether, under the circumstances, it was just. The reservation of "until further orders," so clausily inserted in the Proclamation of 1841, might convey its special meaning to the ear of an English lawyer, but it is not likely to

Gold will continue as heretofare, to be received into any of the mints for coinage, under the Act and Bules at present in force for the comage of gold, but Mint certificates for gold coins will be discharged in gold only, and no such certificate for gold will be accepted in any public treasury in liquidation of public demands, or on account of any payment to the Government whatever."

The Madras and Bombay Governments seem to have pertinaciously abstained from legislating on coinages and currencies, and their Statute Books are altogether eilent on these subjects, until the action of the Supreme Government is brought to bear on them in 1835. Such being the case, I am unable to elucidate the measures of Mint progress in the minor Presidencles.

have borne its full significance to the intelligence of the Native banker : apart from

have borne its full alguiricance to the intelligence of the Native banker: spart from this, it is clearly a question whether the tener of the Proclamation itself did not imply an understood obligation on the part of Government, to receive back the gold coined and issued under its provisions, coupled as those provisions were with the inducements held out to slid the circulation, that the officers of Government were enjoined "freely to receive these gold coins at the rates" let, the only obvious restriction, beyond the formal "until further orders," being that the pieces should not have "peaced the limits of lightness allowed for wear" one.

The same writes is "Allow's Indian Mall," 1854, who clearly has had access to official documents, thus checksten the motive and object of the Order of 1852;—"We have explained the condition of the gold coin of India, and the economic principles adopted for its manufacture. Things resonanced in this state when the gold of California and Australia baran to affect the market, and to change the relative value of that metal to silver. The first complexable increase in the impurt of gold at California and the year 1848-49, and a large perion of it was sent to the milet, in that and the following years, for surveyens into low-standard lion-device pieces, [XVII. of 1836]. The sending of gold to the milet at this period was in reality a mere sale of the metal to Government for a liver, at the par rate of 16 to 1, which [XVII. of 1836]. The sending of gold to the miot at this period was in reality a mere pale of the metal to Government for solver, at the par rate of 15 to 1, which then began to proved as the market rate. The Mint certificates, obtained for gold delivered, were immediately poid in at that par, in satisfaction of Government dues, or were negotiated at the basis, where aliver was always claimed upon them under the option them given of receiving the amount in rupose at the par in question. The gold thus, when eximed by the Mint, remained as a dead balance in the Government treasury, not being instable at the par of 15 to 1, in the condition of base standard toin, to which it had been manufactured. Residus this process of gold necumulation through deliveries at the Calcuits Mint, low standard coin, previously issued, began also to be paid into the treasury, at the established par rate in ordinary transactions [under the Procionation of 1841]; so that out of a total amount of liou-device gold molumn not exceeding in value seventy lace of ruposs, which of lion-device gold moleurs, not exceeding in value seventy lars of rupes, which was the value of the coinage up to that data, as before shows, more than fifty lars were, in 1852, in depent in the Government treasury as a dead unserviceable balance. It was at this time that the Government of India began to contemplate measures for converting its entire 5 per cent. Debt into Stocks at 1 per cent. The prospect, therefore, of having the balance to which the Government looked for the prospect, therefore, of having the balance to which the Government looked for the means of completing this operation rendered anserviceable for the purpose by the substitution of gold coin, not a legal tender, for the rupous elaimable by the public creditors who might elect to receive payment in each, was by no means agreeable. A prompt remody was necessary, and the question being referred to the Ceurt of Directors, the desire to affect still to their old principles suggested that the low standard gold toin, not being a legal tender, the receipt of it by Government should be altogether stopped; and this was accordingly done in 1858, by public notice in the Genetic of Calcutta."

Having completed this summary review of the gold and silver coinness, I now revert to Prinsep's Tables.'—E.T.]

Tible of the Cuinages issued from the Culcutta Mint from 1801-2 to 1832-33.

Official Vess.	Dynnext and a	Total sikks rupers.	
	645	Eller.	Jan-San-Francis
1801-2 1803-3 1804-5 1804-5 1804-5 1805-6 1806-7 1877-8 1809-10 1809-10 1819-12 1813-14 1614-16 1610-16 1813-17 1817-18 1818-19 1819-29 1820-21 1821-22 1822-23 1824-25 1824-25 1825-27 1827-28 1828-27 1820-30 1830-31 1831-32 1832-33	\$3,139 12 0 1,37,648 0 0 80,496 8 0 1,26,940 0 0 1,30,454 0 0 91,773 8 0 2,51,762 4 9 30,800 12 0 31,885 8 0 10,29,656 0 0 18,54,703 9 1 12,56,319 6 0 10,91,853 12 8 14,61,964 14 8 9,36,967 4 8 13,62,296 14 6 13,62,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 14 6 13,63,296 0 0 29,73,948 6 8 23,65,026 5 4 24,79,311 6 8 23,65,026 5 4 24,79,311 6 0 29,73,948 6 8 23,65,026 5 4 24,79,311 6 0 29,73,948 6 8 23,65,026 5 6 21,296 0 0 29,73,948 6 8 23,65,026 5 6 23,71,024 0 0 15,39,392 0 0 23,71,024 0 0	30,73,298 12 0 46,64,758 8 0 77,41,674 4 0 1,00,78,060 12 0 71,20,322 12 0 1,63,14,198 12 0 1,45,56,126 8 0 1,11,30,380 4 0 97,79,880 0 0 1,45,56,126 12 1 78,51,046 16 0 28,31,166 11 11 71,20,317 15 1 1,30,76,463 6 6 53,15,411 7 8 1,06,46,247 3 7 2,67,46,438 13 3 1,05,36,215 6 11 78,56,48,438 13 3 1,05,36,215 6 1 1,76,48,438 13 3 1,05,36,215 6 1 1,76,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 13 3 1,05,36,215 6 1 1,36,48,438 14 6 38,11,486 7 8 44,77,723 14 4 70,90,479 18 8	31,56,356 8 0 57,92,354 8 0 78,31,170 12 0 1,92,05,000 12 0 72,90,776 12 0 1,04,05,972 4 0 1,11,91,191 0 0 82,98,771 12 0 1,71,91,191 0 0 1,76,11,521 0 2 1,02,38,556 5 0 1,76,11,521 0 2 1,02,38,556 5 0 1,76,11,521 0 0 2,35,11,515 4 0 2,35,11,315 4 0 2,35,11,315 4 0 2,35,11,315 4 0 2,35,11,315 4 0 71,49,12,400 0 7 1,16,62,261 6 11 78,85,028 1 0 1,70,02,362 0 7 1,16,62,073 0 6 90,86,005 8 11 1,30,44,114 4 5 1,16,24,442 0 0 71,48,763 16 0 02,02,136 2 11 96,19,516 11 5 55,72,392 7 8 63,17,114 14 4 1,00,41,503 16 8
	3,18,62,986 4 6	30,19,70,378 1 8	39,39,39,361 0 1
Prom 180 181 182	3 to 1895-90	10 00 100 0	32,98,416 IS 5
	7	otal sikkā rupes	33,71,31,778 8 6

¹ [I had designed, as I intimated in a note p. 41, to have emitted all the details of the working of the Indian Mints. However, as I have since found reason to believe that a general return of the correction assared by the East India Company would possess an interest with European readers, I have determined to abbreviate the redundances of Printey's forms, and endeavoured to complete the several statements, as far as possible, from documents in the East India House, which have been most liberally placed at my disposition by Col. Sykes.]

TABLE of Silver Usinge in the Provincial Mints.

	Bettles			Facrykkill	WA.		Skept		
From 1804-5 to 1822-5, incl.	11,11,79,898	6	8	7,74,66,519	3	11	53,99,282	8	6
Of which rum private builtion Government ditto	6,87,85,549			1,10,15,009 1,61,48,600		5	7,89,496 46,09,786	0	400
Value of copper coinage up to the same period.	12,50,140	0	0	75,594	13	8	2,82,268	n	•
Total	11,28,79,638	6	.0	7,75,42,114	.0	2	56,82,670	8	-

Coinage at the Calcutta Mins	Sikka	Re.	83,71,81,778
Coinage at Benires	**		10,08,16,863
Coimage at Farrakhabad	10		7,26,94,732
Coinage at Sagar	- 65		58,27,503
Total Coinage of the Bengal Presidency from 1861-23:	Bikka	Ha,	\$2,00,70,876

[It will be seen that the totals in the preceding Tables are given in sikka and in Farrakhibad rupees. Act XVII. of 1835 introduced the Company's rupee as the one uniform currency of all India; this cein is composed of 165 grains of silver and 15 of alloy, and stands the deslared equivalent of the old Hombay, Madres, Farrakhilad, and Senit rupees—being defined as corresponding in value to † has of the experienced Calcutta sikki rupee. All Government accounts, subsequent to the date of the passing of this Act, are therefore made up in the new or standard Company's rupee.

Table of the value of Gold and Silver Coined in the Mints of Calcutta, Madras, and Bombay in each year from 1833-34 to 1834-55. (From Official Returns at the India House.)

	CAL	OTEA.	MA	DEAK.	30	-VARMO	20	STAL.
	Guid.	Silver:	(0)46	Singer.	State.	Name .	GM,	Mirro.
	Value in	Co. b Ste.	Ye ya te.	Palacia Sta ha.	Table to		Years In	Polymore Co. w. May.
1833-34		1,23,47,561	89,58,900			600	Ou wille.	
1834-35		1,83,10,063			0.00	10,35,156	00,07,000	1.77,40,017
1885-86	11,97,344	1,62,49,960	29,75,200	23,21,000	10.5	0478,286		2,19,00,341
1830-37		2,98,14,800	- Annual	Sec. 14	liet.	64.34,764	The second of the second of	
1837-38		2,09,54,105	Che No	redime of	lie.	82,71,877	68,145	3,80,98.170
1888-80	8,44,700	2.67,68,743	MARKET AND	ried Draw.	Test .	1,00,48,036	2,54,365	3,18,82,730
L889-40	7,91,557	2,15,77,776	State in	294E	100	1,17,79,622	3,44,706	3,85,35,565
1840-41	5,67,720	1.64,10,685			-	96,28,901	7.01.607	7,14,66,477
1941-43	3,31,015	8,51,26,312	7	Bellin Steel	796	1.20,34.286	5,67,720	2,64,48,922
1842-43		2,05,11,964	- marin	25,65,578	-	\$1,75,520	2,31,010	8,28,57,619
1843-44	1,06,335	8,17,66,675	500	16,48,503	-	1,47,93,978	organi,	8,30,47,785
1844-45		2,83,35,602	83,666	42,28,400	340	\$307,362,407	1,06,335	4,07,27,031
1845-48	1,34 535	8.25,89,833		51,72,490	100	1,54,00,190	2,63,355	1,00,68,212
1546-47	4,27,335	1,64,78,132	1,69,545	21,32,381	56,300	1,36,00,507	2,91,470	5,84,35,430
1847-48	1,65,950	1,01,19,988	3.00 mm	60,98,016	100	66,46,956	4,27,835	2,92,09,004
1848 49	7,04,700	1,33,63,260	3,00,000	84,95,301		42,07,358	4,68,930	1,78,22,598
1849-50	3,24,526	1,35,97,117	manu	13,95,676	157234	1,11,92,701	7,04,760	3,57,92,616
1850-51	18,17,800	1,81,31,097	mm	8,64,879	15,900	36.58,554	3,39,825	2,41,12,043
1851-52	6,25,500	1,78,80,191	tom 3	13,64.271	19,350	1.20,78,006	13.87,170	2,61,64,274
1852-53	8 - 6	2,73,66,306	PROFES.	30,37,686	-	2,85,57,940	0,35,500	4,24,05,222
1858-54	14,56,785	2,31,88,763	9.00	39,86,171	-	多年,607	100 544	5,50,00,849
1854-55	36,760	70,43,170	Section 1	07,50,840	-	2,25,00,317	14,56,785	5,25,84,365
	2077.00	3.00/30/17.0	- PERSON	28,69,423	-	107,47,416	26,760	1,36,59,015
	1,32,35,168	41,08.81,983	73,18,1403	5,45,88,015	71,040	54.69 90 998	S. Die Da. Das	71 Et ab one

1		RENGYL.	41n			MABI	115			BOMB4Y.			0,1	TOTAL.	
THE	lensette.	Experits	Set Daysoft	New Real.	imports	Experts.	Sol bey.	Set 24a	Amount.	Squite	Northwests.	Interns	Dayen	Sacinguets	Nin Esp
40.00		*		4	9	4	4	4	2	4		7	4	17	Ħ
1813-14	681,4118	4.473	580, 128	1	E C	200	11,35	-	202,522	181/913	C. T.	101,48	216,004	718,951	
95		10/403	1,000,150		111.501	10.200	100,000	-	57.00	00,100	200,000	A PROJECT		C10575017	-
1814.17		Total Control	S Tilly ones		2.00	24,614	10001	1	200	A STATE	2007 1000	A (DIDA)		4110 107	-
1817.18		NAT AN	3 178 007	-	125 AND	4	104.40		1 1400000	100 407	1 140 %	A Springs		4 670 500	
1818-10		02100	China dent		Self data	NAME OF	201 104		Carl Apr	100.2	3 afth fine	400,000,000		6, 785, 144	
K 19. 20		Same sens	3754.710		CHILL SIRCH	14.00%	KAME		Total Ages	10 CM	100110	A 6617 1100		4 5000 0.41	1
Dern ar		113 (51)	0 0 0 0	all the same	PB9 640	1000	108 24		Contract of	400 0044	Directories	X 47.1 Aug		N. 1901 S.	
M.11.00		I denie ation	1965 914	- CALLET	423, 4089	10,000	SWC-STA	-	5,40,970	100		C 600 0 044	1 040 407	1 C. C. C. C.	-
640 01		1 600	Take day	TATAL DE	21.0	To dear	Series Series	and.	200 000	2000	141 141	11000000	•	2449.040	
10 678		Wall State	The latest	I E	The Page	10000	100	1	1	10000	0.40,100	THE PERSON		77777	
100		Tale and	0.42,744	- Line	100000		1	1	201/200	130/VOT	047730	STATISTICS		Carried Street	annie.
31		THE PERSON NAMED IN	025077	The Think	The last	1	474-14	1000	111,705	05'00	Note, Mile	E-111/11/11/2		7 THE W.	mem
8 Man 20		IN MARKE		11/1	200	200,000	11/2/20	20,26)	10 th 1	The second	Total I	S MISSAILS	20 80, 917	L'SSIL 13	the state of
NO. 12		111,500		1 11	SAL DAY	1	212,000	1000	2000	20,619		2/1/100	21H,543	2,246,233	state
0.77		100 JEST	040,000	1	5	100	1	42,013	1	78,827	1.57.0013	2011/01/6	(MACAN)	THE STATE OF	11120
1000-20		CHAIL STATE	10000	100	No.	To and	1	1000		1000	1000000	3/21/28	Self-El	LOST PAIN	#1
MAN THE		Deta design	MALES PARTY	1107	CANC. GARA	100		400,000	A STATE OF THE PARTY OF THE PAR	1000	10000	200000	201701	District of the second	i.
2000		111111111111111111111111111111111111111	Service .	Print Aut.	100	10000	100	17		MAN 2007	ANA ANA	36	CANADA CANADA	4,944ANOA	Sec. and
With all		TAN YOU	,	100 Tab	191/00	WW. 628	-	100,001	Sin ne	147.407	No. of	141 500	20000	Ŧ	10,000
N. 2.4.1		0.00 45.0	200.000	-	114, 195	Bost Swice		1	1 1945 6194	115.846	1 074 000	1 270, 447	2011 945	1 Med tod	Section 8
N34-46		00.323	\$78,407d		154,115	TOCACT	84.24B	1	1 400,003	E1 Aug	1.071.403	L PRIO. 0002	104.730	1.1384 PAS	
NSTAM		BGAME	ATD-7410		112,760	10 m	N 18		1 3 ad Vind	10.001	1.356,665	2 144 MA	106,109	P-038 330	
377KK		DIM/101	1117,311	2	23,009	12683	27.042	-	1317,061	20,001	C217/0mg	2030,100	268,983	1,770,948	
SEC. 1881		1.00,453	DIE, 650	***************************************	194545	100,451	E I	2000	1,012,073	90,700	1,805,5851	2,040,100	Neo, day	E-1506, 24/1	ALC: N
AP REL		DEC. 200	1,000,271		191/191	10. mg	10,807	200	1,000,731	99,308	1,500,511	0,010,019	847,3900	2,003,018	Maria
1483-419		211/2112	1,000,7400	-	112,300	127,495	i	19,040	129/009	101,000	MILOUZ	1,046,063	420,1124	1,474,741	16594
1000		141/206	1457722		(08,14)	47,310	4	21,154	PROJECT.	11m/3/20	905,319	1,780,237	200,485	1,419,700	75 000
311-11		100,105	N. 19. (19.2)	-	67.700	1000	-	115,723	784.154	HERVERY	008,718	LANLARS	515,074	1,3850,250	101.000
2100		12,000	1,040,044	*******	200.00	2000	51,000	Ī	1,715,100	117,540	1,317,621	1,443,230	215,500	147,414	0.000
1919-14		187781	1,006,082	4 4	110,240	21/48	93,640	1	2,017,010	209/001	THE PARTY	4.7344.07.9	746,075	4,018,001	30110
B14-10		250,0-63	1,191,51	********	100	100,000	22,008	!	12952040	643,543	1, 157,302	1,782,471	1,106,839	2,042,022	100.001
M-154		640.05	708,000	-	10000	90,700	106,333	1	L'STELENS	463,184	125/000	3, 100, 167	816,027	1,079,080	100 91
18-18		290,003	1,050,834	and the latest and	10.19	100,1107	77,050	100	1,420,491	300,210	1,496,190	2,900,100	713,ES	2,295,403	-
200		140,041	1000	=	102,163	1	1	22,100	1,001,014	200,704	CH7.310	1,373,21M	7,420,007	D47, 453	HE 018
12 - E		50000	10287.01			131344	1	620,052	2,672,686	1,625,012	1,057,090	4,204,548	2,530,741	1,003,702	
10-010		25,216	and the same	The same of	131.40	72,940	00000	1	2/10/15/05	514,9W	1,519,165	3,400,807	161,244	9,429,900	******
19-MI-01		THE PERSON	TO THE	-	344,110	10770	100,000	-	2002	SIN'NIS	2,201,336	3,811,808	A17,250	3,274,521	-
1831-02		204,039	Z Miss Bridge	ATTACL		Zin, her	31,530	-	2,548,230	450,730	1,995,455	5,002,008	915,088	4.782.0.0	10.00
1818-04		476,370	2,007,612	- Land	78.50	製作調	5.20 E.S	1	ののである。	340,572	2,315,002	6,880,877	1,055,930	8776.18	107.000
# Sell 2.1		D 40 64-5	The Part of the Party of		1000	1 Pro-0.00	Total Color		The Party of the P	County Posts	Mark Care a	A 671 OCT 1	TAME BOOK	一 日本の日本日本 田	

The figures entered in the preceding Official Return, so far as they relate to the commerce of Bengal from 1813-14 to 1832-33, will be found to differ from those originally published by Prinsep. It may be necessary to explain, that his Tables exhibited the imports and exports of the isolated Presidency of Bengal, and, as such, comprehended not only the trade with the United Kingdom and foreign countries, but likewise the traffic of the Port of Calcutta, etc., with the enast and the other Presidencies. In the present return, the local port to port trade is properly excluded.

It will be seen that the foregoing Table does not discriminate the relative amount of gold and silver imported or exported in each year, nor do the official documents at command admit of the separation of the two items earlier than 1846-47; subsequent to which, the pro-

٩	portion rons	na	follows	for	the	three	Presidenties :-

		GOLD.			SELVER.	
	Inpeta.	Baporte	Senatus.	begore.	Stayueta.	Bonains
	4	4	To go	1/4		
1646-47	851,738	2,400	+ 548,848	2,066,183	710,078	41,377,205
1047-48	1,048,778	9,661	+ 1,000,117	926,612	1,415,076	- 691,764
1848-49	1,401,748	51,829	+ 1,348,919	2,602,755	2,485,913	+ 315,842
1845-30	1,100,661	64,908	+ 1,095,793	2,256,146	MO-0, 274	+1,829,772
1840-01	1,155,310 2	1,016	a 1,155,294	2,650,498	609,273	+2,117,428
1861-02	1,838,778	71,165	± 1,267,418	5,718,289	647,903	42,865,357
1862 65	1,335,164	168,808	+ 1,105,359	5,696,219	886,424	+4,609,790
1863-54	1,101,136	17,285	+1,688,971	3,770,803	1,466,020	+2,304,791
	9,393,313	389,499	9,803,814	23,686,509	0,960,991	14,525,218

The proportions of each metal absorbed by the several divisions of

³ [The delay that has occurred in the printing of this short enables me to add parallel returns for the year 1854-55. The Madras and Bombay totals herounts subjoined are derived from official sources; the Bengal return is taken from Bounsud's 'Commercial Asmosl,' as the formal statements relating to that Presidency have not yet been received at the India House:—

	DIFFERENCE.	REPHETS.	DEST OFFICERS	OR EXPORTS
	THE STREET	- Automatic	But Imports,	Wat Exports
Bengal	2 603,164 194,221 1,188,913	£ 1,072,104 821,814 858,664	£ 885,259	£ 469,040 327,693
Total	1,986,289.	1,047,602	38,626	

² [The unimportant disrepancies that may be detected between the lower figures of these totals and those entered at the end of the Table in page 52 and elsewhere, are explained to have arisen from the varying results of working in gross and in detail, and the exclusion of fractions of varyers and the rejection of unit figures, to convert the rupes into stelling money at different stages of the arithmetical process.]

the Indian empire,	during the	eight	years is	question,	are	embodied	in
the annexed tuble :		10		-			

	624	APPEN.	36.	23915	Box	mey.
EXMAINS	Sold.	Mirer.	Yest.	Billing.	Gold.	Bileur.
1000 0	E	. 4	#		4	£
1846-47	215,530	+ 835,294	27,561	+ 21,449	605,757	490,442
1847-18	362,554	- 620,402	470,356	-130,667	628,005	159,305
1848-49	415,917	+ 216,097	33,173	-649,626	899,799	740,571
(849-50)	275,543	+ 685,117	55,001	6,291	765,189	750,946
1950-51	317,098	+ 595,354	625,868	+193,097	903,426	1,308,974
1851-62	401,242	+ 1,654,636	76,069	4.561	710,301	1,205,457
1808-03	470,001	4 2,343,761	49,121	+ 491,343	A41,867	1,776,176
1933 54	181,136	+ 1,105,317	56,719	+ 375,115	816,895	768,885
£	1,046,923	+ 6.874,477	400,160	+ 259,811	5.548,782	7,298,936

In appropriate supplement to these Tables, and to enable my readers to judge of the comparative importance of the bullion traffic with India, I annex a statement from Col. Sylice paper 'On the External Commerce of British India,' published in the 'Journal of the Statistical Society,' for June, 1856, and further brought up to the present date, which exhibits the relative values of goods and bullion imported and expected during the six years from 1849-50 to 1854-55.

Abstract of Imports and Experts of Goods and Bullion from 1849-50 to 1854-55.

Yours spaint sech Algeil.	Total antered of sinjets impresent into the three Presidenties.	Trial amount of troubt linguisted into Lioy Marso Presidentains.	Fames of Goods organisal.	No opert	Brown of fraction of Goods, destricting Set Import of Publish.	finds drewn upon Turing by the Directors.	Private of Treatment of Treatme
1849-50 1850-51 1861-52 1862-53 1853-51 1854-56	£ 10,700,000 11,819,000 12,240,000 19,071,000 11,123,000 12,442,000	£ 17,312,006 18,164,000 10,879,000 20,465,000 19,295,000 18,298,000	7,012,000 0,005,000 7,000,000 19,394,990 9,173,000 5,855,000	£ 2,405,000 6,870,000 £,131,000 8,779,000 5,299,000 38,000	£ 4,567,000 8,586,000 3,606,000 4,618,000 9,748,990 6,919,000	2,036,000 2,736,000 2,777,000 3,317,060 3,650,000 2,669,000	£ 1,681,000 99,000 729,000 1,361,000 984,000 2,149,000
Total	67,784,000	113,413,000	45,679,000	19,831,660	25,518,000	19,785,900	6,863,000
Average	11,289,000	18,902,000	7,413,000	3,171,000	1,441,000	3,297,000	1,143,000

As the statements in the above Table are understood to have been

^{) [}Mr. Low's Circulars fornish as with the actual shipments of treasure for India

prepared from official Custom-House returns, they may be accepted as pro-tante authentic; and as the Government of the East India Company alhere to the highly primitive system of levying duties upon exports, the totals thus obtained are probably as trustworthy as the corresponding entries of imports.

As intimately connected with the subject of the demand for silver bullion in India, I also appead a full return of the responsibilities undertaken by the East India Company on account of railways in course of construction. I have not been able to obtain exact statements of the several amounts actually expended in India—comprising the same repaid by the Government in alver coin in return for the gold deposited in the treasury in Leadenhall Street—but the difference between the totals "paid in" and "re-issued in England" will furnish an approximate estimate of what the liability amounts to.

by the Penincular and Oresetal Company's transfer during the tenes 1855, 1856, and 1857, amounting to the subground balain

			3935	100		
	Conne	Erranew."	Gassier to	Protocing's	Trease Press	in meethel.
Madrae		£ 330 17,790 1,962	Aller	177,078 177,078 -3,267,490	- 11.	289,014 51,344
		£39,375		4,548,309		E 913, 190

The grand total chipped for the East to 1865 con - From the United Kingdom : Gold, 2018, 272 ; Selver, 20,460, 200 ; stellar Ports : Gold, 2243, 220 ; Silver, £1,024, 240.

		School	Kissunk.		of Program.
Calentia	14	£ 719 28,623 7,985	Si)rec	£ 3,417,001 213,781 4,745,631	£ 433,300 397,494 143,210
	4	97,148		E 8,379,503	£ 924,914

Total experts for the East from the United Kingdom for 1866; that, £104,740; Silver, £12,118,988. Other Ports thaid, £74,000; Silver, £1,989,016.

Uan	THE KINGSON.	9701	ts Pouza.
CalentaGold, £30,040 Madras # 97,788 Bombay # 20,565	Silver, £ 4,689,015 5 963,616 5,276,950	Gald, \$20,806 ,1 10,000 ,1 16,161	88vyc, £800,407 ** 400,710 ** 623,950
£ 164,393	€ 11,368,611	€ 62,557	€ 1,888,078

Total exports for the East from the United Kingdom: Gold, 2269,275; Silver, 216,795,232. Other Ports: Gold, £259,986; Silver, £3,290, 689.

[&]quot;Officers were no shipments for unifor of the pages Dissipation to January, and that Article for the

It may be necessary to add that the payments into the Company's Treasury on account of Railways commenced in 1648-49, and that the rate of exchange for Indian subscribers was permanently fixed at 1s. 10d. per Company's rupec.

TANER schibiting the sums paid into the East India Company's Treasury, in London, on account of Railways in India, up to 30th Sept., 1856.

Names of Comparise.	Chipted Martiness	True paid in,	in Degrand
East Indian Great Indian Peninsula Madras Sind Bombay and Bareals	19,781,400 4,000,000 4,000,000 5,000,000 500,000	£ 6,919,733 7,524,113 1,726,354 201,014 584,611	\$,004,126 866,263 1,027,805 92,480 58,891
	19,701,000	11,271,325	5,139,565

Another important item hearing upon these details still remains to be noticed—that of the comparative value of the uncurrent silver coin received into the mint, as contrasted with the amount of bullion

[&]quot;[The rate of exchange this permanently established, brospective of intrinsic value or any possible scheme of summercial par, has uncessarily had the effect of insuring that nearly all the funds required for realways about in raised in England to the exclusion of Indian subscribers. The second Tuble at page 14 will indicate the intrinsic value of the Company's reper, and list details will exceepilly how the exchangeable raise of that coin is liable to be affected by external influences; but, under ordinary recommands on, the per value may be fairly taken at 2a.; now, under this permanent and immutable arrangement, whatever the commercial rate of exchange might change to role at, Indian contributors to their own local realways had to pay 218 Company's rupes for every £20 show, or about 8 per cont, more than the nominal value of the stock, while under favorable rates of exchange, such as we have experienced of late, by remitting the manney to England, the £20 share could be purchased for about 184 Company's rupes, making a total difference of no less than 17 per cent! In a similar degree have our Eastern speculators resear to complain of the comparative railway delter, and guerathening a minimum trace of inferent; for while the Huma Government was undertaking these millions of railway delter, and guerathening a minimum rate of profit at 5, and never loss than 41 per cent, the Government of India was endeavouring to personal its obtains subjects that 4, and even 24 per cent (28th October, 1863) was quite as much as their money was worth; and the latter rate was not to form an assending minimum like the railway guarantee, but a maximum, highle, on the contrary, to reduction at any favorable moment, after the meaner of the comparison of the 5 per cents, in 1853 and their conversion into these contracts, in less than fourture months after the completion of this—to use the work of the Governor-General—"not the low successful" operation. To sum up these contracts, which may be justly tested by the index until lately af

brought for coinage by individuals unconnected with the State :1 the one indicating the amount of the old currency replaced by new coin, the other disclosing the increase made to the circulating medium; though this latter is liable to be affected by too many varying influences to be received as any criterion of the total permanently available to meet the monetary wents of the country.

I limit the present returns to the rupee or standard currency;" commencing with those of the year 1835-54, in order to embrace the entire period comprised in the parallel Table at page 81.

⁴ [The coinage of gold may be gathered, from the previous Tables, to have been in properties to that of silver: In the Calcutta Mint, from 1801-2 to 1832-23 as 2.18 to 20.19 from 1833-34 to 1854-55 as 1.32 En 41.68 Madrus from 1833-34 to 1854-35 as 73 to 6.26 Bombay from 1832-34 to 1854-35 as .007; to 24. No gold was coined in the European mints of the North-Western Provinces.]

^{&#}x27; [Note ithat and ing his remark on the subject at page 41, Princep omitted to discriminate in his Table of the Counges of the Colomb Mint the separate associate derived from each source. In the returns of the Provincial Mints (page 81) the difference is duly marked.]

Assay produce of Silver Bullion received into the Mintr of Calentta, Medren, and Bombay, in each year from 1833-34 to 1854-55; and of the value of the Silver Canages for the same period.

		Charge of High.			Mexico Rive.			BESSELV MARY.	
	Account peration of follows spectrust from individuals	Value of unitytal	Slive Garage.	Annual Printers of	Value of commyster, manufacturing and frame of others.	Shirt Culture.	Attend products of Street frequent from table Linda	Venier Anticopping road propert from Treatury officers.	Mirray Colonian
N33-54	1,14,14,465	64,06,347	1,23,47,463	19,66,073	30,16,465	42,11,500	10,05,869	Bullens.	10,83,156
834 35	N3,08,557	26,000,588	1,33,10,655	16,94,848	12,47,313	33,51,000	42,44,929	11,13,459	50,75,2%
835-36	86,58,265	L,36,65,062	1,62,43,990				Ad, RR, 1888	9,46,078	04,04,76
N17. 158	1,30,06,273	1	2.00.54.103	The desired has	1	Annual of Person	50.44.027	50.04.009	1,08,48,63
888 FF	1.41,16,780	di	2,67,63,743		March 1847		A86,21,365	59,45,467	1,17,79,89
H45 40	1,25,48,782		2,10,77,576		2		66,68,727	91,75,194	98,228,90
40.41	1,04,76,063	90	2				61,40,870	04,05 399	1,20,38,13
1841-42		2	2,31,24,312	4,77,648	53,72,×44	25,85,978	43,74,340	17,02,471	MR.497.137
Princhile	-		A Ass. No. also			Carried and	40,000,000	A STATE OF THE PARTY OF THE PAR	No. of London
842 48	1,74,80,644	19,75,107	2,46,11,855	9,11,528	8.07,E71	26,49,292	90,61,450	20,98,840	1,07,05,068
1963-14	3,98,12,790	30,33,306	2,17,66,078	11,90,618	90,42,413	42,28,450	1,48,962	19,00,948	2,07,32,49
44-45	1,86,68,022	•	2,63,55,002	9,146,212	20,51,139	11,73,430	1,46,61,867	6,10,571	1,54,60,18
DY 19	PH, 90, 723	20,111,040	7,26,32,332	8,31,224	W. 61,979	22,27,291	1,26,51,248	47,71,270	1,84,00,80
114G-47	93,64,403	68,33,534	1,44,78,123	2,61,600	41,48,740	00,84,016	550,46,065	10,08,200	64,40,954
www.chasa									
47-48		34,44,760	3,411,19,000	1,03,186	28,95,576	54,86,501	10,21,801	24,76,891	42,07,330
18-48		52,30,827	1,11,01,199	1,74,631	12,11,947	12,50,676	Tarentum on	A chiadastra.	1,11,92,701
05-04	_	36	1,44,07,117	2,39,690	9/03/886	B,64,372	NK,24,697	13,25,050	16,60,034
50-01	_	33	1,31,31,007	11,96,984	19,13,784	139,64,271	1,19,45,874	67,13,940	1,20,78,904
41.39		110	3,78,90,191	15,16,347	13,43,124	180,277,082	1,68,77,378	A2,78,593	2,0N,H7,P48
1852.53		94	2,73,06,00K	AX 20, 9291	7,78,360	89,00,173	2,30,43,730	13,61,825	2,87,98,47
863-04	1,43,66,179	36,00,647	2,41,82,785	49,05,035	6,88,475	07,30,840	1,35,35,573	42,43,536	2,26,00,83
884-30	12,70,623	7	70,48,179	9,10,176	4,00,718	28,65,429	25,75,235	13,16,425	37,47,436
	27,41,57,319	34,64,61,619	89/08/81/09/18	2,17,01,784	3,67,76,437	6,35,65,015	17,56,60,538	6,36,83,863	24,60,00,288
	61.00	41.06.06.047		18.8	6 95 95 951		94.13	94 12 84 908	

The Habitables or man to 184-25 to attributed hamitettalisty; in the discress in the manufact of steer bullets in that year.

It will be seen from the above figured details, that, during the last twenty-two years, the grand total of the coinage of silver in the East. India Company's mints has reached no less a sum than 71,55,49,286 runees, or £71,554,928; towards this amount 24,19,11,918 rupees were contributed by the old metal of the worn or recalled currencies; and 47,15,19,671 rupees essestitated the properties of bullion brought for coinage by individuals. It may be instructive to test a section of these returns in connexism with the statistics furnished by the bullion trade of India, illustrated at page 83. To select the same eight years for which the figures have been tabulated in that etstement (i.e. 1846-7 to 1853-4), it is to be observed, that the total amount of silver bullion-in excess of the returned coin-minted at the three Presidencies, during the period, was over 20 erore of rupees, or twenty millions sterling; while the balance of silver bullion remaining in India, on the traffic of the same interval, is seen to amount to 14,42,82,180 rapses, or loss than fourteen and a half millions sterling. The results of the two returns are not so directly dependent on each other, that their non-accordance need cause surprise, nor is there any reason why the five and a half millions of surplus corn may not have been re-experted in that shape, in the ordinary course, even if we did not know that the Company's rapes has hitherto supplied much of the circulating medium of Coylon, the Mauritius, and the Straits settlements. There is no ground for supposing that any quantity of the silver bullion, used for Mint purposes, is at this time supplied by India itself-though it contributed not unimportantly to the local mints up to 1832-33. We may fairly, therefore, take the ebb and flow of bullion, in the every-day transactions of summerce, as a momentary

1. [Detail of Silver Bullion, over and above the received coin, soleted at the three

For the years 1846-47 1647-48 1848-49 1849-60 1850-51 1861-82 1853-54	1,78,29,873 62,15,876 93,86,999 1,93,79,343 2,27,29,336 3,72,55,895 5,46,13,830 3,72,52,997 14,75,15,661 3,28,28,087
Cu's Ha.	20,01,27,653
Bengal total Madrus total Bombay total	10,68,53,921 1,30,78,362 7,96,96,280
Cars Re.	20,02,27,653 —]

^{2 [} See Table, page 81.]

index of the amount of cain removed by sea-transport; though such a test would by no means demonstrate either the maximum or minimum of that drain in exceptional instances. The inland or conterminous absorption of esized money, on the other hand, is far beyond the reach of the boldest speculation; but, with an existing frontier line extending from Mekran to the Straits of Malacca, and with the various imperfectly civilized races on our borders all seeking eagerly for the procious metals, we may imagine that the outgoing in these directions can searcely be inconsiderable. However, even admitting that India temporarily retains the full 14.4 millions of the 20 coined for her in eight years, the amount can by no means be said to be excessive, nor is it to be expected-while the memetary laws remain as at present constituted-that the demand should be proportionately lessened; and, as much has been written regarding the undue absorption of bullion by India at large, it may be fitting that I should observe that, whatever may have constituted the uttructing magnet, or wherever the ultimate resting-place of the precious metals may have been, in olden times; there is now good and sufficient reason why silver should continue to flow towards our Eastern dominious, touch upon the obvious commercial necessities of our trade as of late balanced, it is to be remembered that India has advanced considerably in material prosperity; not only is there enhanced scentity of life and property, together with a manifest and natural increase of the population, but the facilities of traffic and real wealth have progressed with equal strides under our rule. There is now but little object in hourding, loss in secreting, the palpable value of money is better understood; and even its conversion into emanents has comparatively ceased since the introduction of the more extensively alloyed rupes, the hardness of the metal of which neither workers

¹ [The population returns, though most minutely accurate for some portions of India, are but more guess work for others. The following is the latest return I have been able to obtain at the East India House. This will give for British India a part of 1.1 rupes per head of increase to the curvency in eight years:

Umber direct administration of the Governor-General (in- cluding the Punjah, Nagyere, and Onde) Under Lieut-Governor of Bengal Under Lieut-Governor of North-West Provinces Under Governor of Madeus Under Governor of Bonday	28,055,972 \$1,012,562 \$3,216,865 22,657,297 11,109,067
Total British Personalions Total Independent and protected Native States Total Poreign States (French and Portaguese)	131,031,262 48,423,630 517,149
Total	179,972,042

nor wearers approve. Equally have the advantages of direct money payments reached the comprehension of the masses, for not only, as has been remarked, do the landholders no longer pay the Government demand in kind, but, more important still, the adherence to that primitive mode of liquidation has been generally discontinued among the village communities in their internal apportionment of responsibilities.

I may be permitted, in conclusion, to remark, in regard to the proposed re-introduction of a gold coinage, that I am altogether opposed to such a measure. A metal that must be expected progressively to fall in value—whatever the immediate needs of Europe may seem to evidence to the contrary—is not calculated to be favorably received by the people of India, especially as its market rate has already been sensibly affected in that country by the gold discoveries of Australia.

However, on the other hand, I am confident that much of the threatened difficulty might be met by a well-devised scheme for a paper currency, to consist of Government Notes duly notified as legal tenders, and definitively recognised as receivable in payment of the State revenue; but, in such a case, there must be no reservation of "until further orders," as in the Gold Proclamation of 1841; nor must there be permitted to exist a possibility of any future Administration reducing the One Hundred Rupce Note into one of the current value of eighty," as was effected, in regard to all the securities involved, by the conversion of the old five per cent. stock. Possibly few nations could be met with, better prepared than the people of India, to accept a sound and carefully elaborated plan for a representative currency. As contrasted with their conventional morality, whether religious or social, their commercial faith and probity stand out in prominent relief. What they respect among themselves, they revere in their rulers; and, in spite of some awkward incidents in the history of British India, the English name still stands exalted with the mass of the population, who have concerned themselves less about

¹ [Col. Sykes, sepri cit., p. 84.]

² [The Government orders of 1853-54 directly affected the interest alone of the funds asseiled—reducing it from 5 to 4 per cent.—the selling price of the socurities remaining little below par; but the opening of the 5 per cent, lean of 1856 depreciated the market value of the principal of the converted stock, in proportion to the relatively enhanced rate of interest offered under the new lean. In the one case, the public naturally inferred that the Government was acting in good faith, and justified—by knowledge inaccessible to the non-official world—in the reduction enforced; a feeling that was still further continued by the distinctive proclamation of the closing of all open 4 per cent. Interest and relied upon the squity, superior information, or prescionce of the Government, discovered their error.]

the acts and policy of the Central Government, than the immediate rule of the high-principled gentlemen whom this country has ordinarily sent to administer in detail the local sections of our Eastern empire. In similar relative degree to their advancement and civilization, does their knowledge of the intricacies of banking and exchange strike our European perceptions; so that, whether under the aspect of confidence in our probity, or comprehensism of our measures, the Indian public may be said to be fully prepared to welcome an improved and enlarged system of state finance. But, as I desire to confine myself to the record of facts, and ordinarily abstain from speculation or argument, I bring these observations to a somewhat abrupt close.—E.T.]

[As Prinsop's Useful Tables are now definitively associated with his Numismatic Essays, it will be expedient to amplify the former by any information regarding Indian coinage equivalents or monetary values that may chance to be readily accessible; I therefore append a few notes on those subjects, extracted from that admirable work, Sir H. M. Elliot's 'Glossary of Terms used in the North-Western Provinces of India.'

"Dunner, Country damed. . . . Dumme is commonly known as a nominal soin, equal to 25 or 25 Dames, or hetween 2 and 2 Gundar—as that a Dummer varies from 8 to 12 Cownea, according to the good will and pleasure of the money-changers. It may be useful to subject from the 'Deway Pusuad' a table showing the value of Dummers and Dummer.

```
dems.
 I Domesto,
                                 ***
                                      81
                                          dams, ...... 1 chhudam,
 2 Dumreis,
                                247
                                      01
                                         dame.
 3 Dumrees,
              488
                    100.0
                                    124
 4 Dumreus,
                                         dame, were I policia,
             ***
                     444
                          -
                                34%
 5 Dumreus,
                                    15
                                          dams.
              wie.
                    -
                          -
 a Dumreet.
                                    191
                                          done, ..... | puesa.
              200
                    410
                          Age
                               The Control
                          111
                               01 22
 7 Durarion,
                                          dens.
              200
                     ***
 9 Dumrees,
                               W. 25
                                          dame, ..... 1 puesa
              0.40 04.0
                          Lan
                   944
                               ... 28
              See
                          See.
                                          dama
10 Dumrees,
                                     215
                                          dame, ..... 14 puesa.
                    ---
                                -
                          140
                                ... 245
11 Dumrees.
                                          demi
              ***
                          ***
13 Dunress,
                                 ar 375
                                          dame, ...... It puras.
              who -
                    450
                          100
13 Dumrees,
                                    40
                                          dame
14 Dumrees,
                                     44
                                          dams, ..... If pursa.
```

¹ [To those who are curious in the science of numbers and would study the progressive arrangement of popular totals, I would recommend the perusal of the claborate article, "Chaurasi," p. 151.]

15 Dumress, 47 dums. 16 Dumress, 50 dams 1 tuks

The table is given with some slight variations in the 'Zoobdutn-l-Quwancen,' but in arithm are the smaller fractional amounts given with correctness.

"Dan, A TH dam. . . . The Dam in the Ayom-i-Akharen, and in most Revenue accounts, is considered to be the 10th part of a rupes; but to the common people it is known as the 50th part of a Tuka: 25 therefore go to a Pyra, and 125 to an Adhela.

"CHHUDAN, The proper amount is six and a quarter dams, but by abbreviation it is called Chhudam.

"Guena, 125 Fer gends Like the Dum, the Gunds of secount and the Gunda of practice do not coincide. Gundas of account are but little used in the North-Western Provinces, except in Benkres and the Debra Doon, and, in consequence of its former subjection to Oodh, the Nururkon accounts of Robilcund are frequently drawn out in Oundas. This Ounds is the 20th part of an Anna. The Gunda known to the common people is not of clable amount; sumetimes four, and sometimes five, and sometimes even wir, go to a pucks Damrer, or Chludson, according to the pleasure of the money dealers, or the state of the murket. Notwithstanding this tertable smooth, as a Genda is equivalent to four Cowress, to count by Gundas," signifies to sount by fines, or by the quarternary scale, in which the natives are very partial; -in the same way as to count by gabon, or punjas, is to count by fives, or by the quinary scale. As four Cowress make one Gunda, or do twenty Gundar make one Pur, and sixteen Pure make one Kultawun. But there are grades of sometary value even below that of Cowree; for the Hindus were so fond of dealing with those infinitesimal quantities, as they are with the higher members, as assumpteded in the article Cours. Thus 3 Crent, or 4 Kak, or 5 Hot, or 9 Dunt, or 27 Jon, or 22 Dec, or 80 Til, or 800 Suns are each equivalent to one Cowree. These are not in practical use in the North-Western Provinces, but are entered in several assemble backs, and many of them appear to be employed in the Banar translations of Cuttack and parts of Bengul. See Bushton's 'Guartteer,' vol. i., p. 182, 1841. The Cowree shell, the Cypesu Mencia, has been subject to strange diminution of value, in consequence of the facilities of commerce, by which their worth has been depressed below that of the precious metals. In 1740, a yupon exchanged for 2,400 Courses; in 1756, for 2,500 Courses; and at this time as many as 6,500 Cowress may be elitained for the rupes. Cowrec in Persian is trunslated by Khur-males, literally, a 'jackan's' or 'mule's' shell; because mules are ornamented in that country with trappings of shells, as a Gussin's bullock is in this country. In Arabic it is known by Worls, which Ibe Butcta says is carried in large questitles from the Maldive Islands to Bengal, where it is used as roin; and therefore there can be no doubt that the Cyprien Mourta is meant. The Kamsos adds that it is supported from the neak to evert the evil eye, as it is in India to this day, provided the neck shell is split or broken. Among European nations, excepting the English, these shells are known by the name of Porcelli,

⁴ ["Gunda is also the name applied to the knotted string which is unspended round a child's neck for the same purpose; but not, apparently, because it has any connection with the Cowree Amulet."] Porcellain, Porcellanen, and Porcelaine, on secount of the funcied resumblance of their shape to that of the back of a little pig, whomes we have the Chinese porcelain, of which the glaze, or varnish, is similar to that of the Cowron.

"Chose, " knew . . . Ten millions. The names of the higher numbers are thus given in the 'Zoobdat-sed-Queumeen' 160 Crore = 1 Urab; 100 Urab = 1 K,hurab; 100 K,hurab = 1 Need; 100 Need = 1 Pudum; 100 Pudum = 1 Sank,h; 100 Sunk,h = 1 Uhl; 100 Uhl = 1 Unk; 100 Cuk = 1 Pudum."]



BRITISH INDIAN

WEIGHTS AND MEASURES.

The system of Weights established by Regulation VII. of 1833, is founded on the same unit as the rupce of the equalized monetary system of British India, it having been found that the weight of the Madrus, Bombay, and Parrakhabad rupce, already very generally used throughout Upper and Western India, as the foundation of the Ser and Man, could be substituted for the sikki weight of Hengul by a very slight medification of the latter, which would be hardly perceptible in commercial dealings. Other palpable adventages of the introduction of the new weight were pointed out," of which it is only personary here to allude to the three following:-

1. That the same formed from the medified weight would be

precisely equal to one hundred English troy pounds; and

2. That thirty-five sers would also be precisely equal to seventytwo pounds avoirdupsis: -thus establishing a simple connection void of fractions, between the two English metrical scales and that of India.

3. The weight of the new unit nearly accorded with the average weight of many of the native tokis sent home for examination at the London mint, by order of the Honourable Court of Directors; as well as with that of Akbar, deduced from the weight of many coins of

that emperor.

We shall begin the present division of our subject, as in the case of the Indian coins, by setting forth in the first instance the present legal system, and afterwards providing a brief descriptive catalogue of the many other weights prevailing throughout the Company's provinces, with comparative tables for the conversion of one denomination into the other.

The unit of the British Indian ponderary system is called the tolá. It weighs 180 grains English troy weight. From it upwards

I Fide a paper on the subject in the 'Journal of the Asiatic Society of Bengul' for October, 1832, vol. i., p. 445.

are derived the heavy weights, viz.:—Chhaták, Ser, and Man (or Maund); and, by its subdivisions, the small or jeweller's weights, called Máshas, Ratis, and Dháns.

The following scheme comprchends both of these in one series:-

Man.	Paneri, !	Ser,3	Chlotik s	Talk	Misha?	Ratio	Dhla.3
1	8	46	640	3200	BSHMI	207200	1228800
	1	6	80	400	4800	35400	153600
		1	16	90	5160	7690	20720
			1		160	450	1920
				1	12	9.6	384
					X.	8	.02
						1	

The men (or that weight to which it closely accords in value; and to which it is legally equivalent in the new scale) has been hitherto better known moong Europeans by the name of 'bazir maned,' but upon its general adoption, under Regulation VII. of 1833, for all transactions of the British Government, it should be denominated the British Mound (in Hind), Angresi Mon), to distinguish it at once from all other weights in use throughout the country."

The Panseri is, as its name denotes, a five aer weight, and therefore should not form an integrant point of the scale; but, as its use is very general, it has been introduced for the convenience of reference.

The Ser being the commonest weight in use in the retail business of the bizzirs in India, and being Eable, according to the permicious system hitherto prevalent, to vary in weight for every article sold as well as for every market, is generally referred to the common unit in native mercantile dealings, as, "the sec of so many tolic," (or sikkis, baris, takis, etc.). The standard or bazir wer being always 80 tolics.

The chhaták is the lowest denomination of the gross weights, and in commonly divided into halves and quarters (called in Bengalí, Lucheko) thus marking the line between the two series, which are otherwise connected by the relation of the ser, see, to the telá.

The tola is chiefly used in the weighing of the precious metals and

- " A ser" my " a ser" and " " a ser"
- र Ser, शेर भेटल (Statement सेटल)
- * (Sharak, 東ご明 from a. リモ, "are," and 南田 "a mark."
- · क्रम, तोना ३,३
- " Midde, MIT HITT, ande.
- े Ratio s. रति, रती , رض , रतिका . المانة , धान्य 'grain, rice.'
- " In the same way the Madous, Boudery, Farreighthad rupos (when the sikk's rupos is abeliahed, and an English device adopted), may be called "the British rupos," and in the native languages Suppos Suprezi.

coin; all bullion at the mints is received in this denomination, and the tables of bullion produce (as seen in the foregoing pages) are calculated per 100 telds. It is also usual at the mints to make the subdivisions of the teld into inde (sixteenths) and ph's, in lieu of mashas and ratis.

Máshas, ratis, and dháns, are used chiefly by native goldsmiths and jewellers. They are also employed in the native evaluation by assay of the precious metals; thus, '10 máshas fins' signifies 10-12ths pure, and corresponds to '10-s. teach' of the English assay report of silver. There is a closer accordance with the Koglish gold assay scale, inasmuch as the 96 ratis in a telá exactly represent the 96 carat grains in the gold assay pound, and the dhán, the quarter-grain. As it is sometimes necessary to convert the seasy report from one denomination into the other,' the following comparative table is here inserted.

TABLE of the Correspondence of English and Indian Away Weights.

EASTIN	i ak	A)r.	AME	200	33	solies	Att	MELE STORE		10	MANUAL	ķ	uF.	410	400	
fillers.	f n	mt.	Wat	Zs.	1812	Diese.	.0	oh.	*	44.	- 60	in-	0	MA.	446	er.
Treets.	Te.	util.	.30	Pri-	d	nik-	.00	ės.	- 6	ш.	- 20	mis:	211	aris.	FIL	Mr.
11 17 17 11 15 11 10 11 10 11 10 11 10 11 10 11 10 11 10 11 11	25 25 25 25 25 25 25 25 25 25 25 25 25 2	0 0 1	12 11 11 11 11 11		11 10 10 10 10 10 10 10	17 12 12 12 12 12 12 12	10 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0	000000000000000000000000000000000000000	11 10 10 10 10 10 10	7 6 5 8 11 1	100000000000000000000000000000000000000	174 18 19 19 10 74	100000000000000000000000000000000000000	Connenna.	9 9 9 11 11 11 11 11 11 11 11 11 11 11 1	Torogaste.

(To find the corresponding decimal away, we the tables in pages 10, 11. The English away report is generally 'so much worse (or better)' then standard, but the touch is smally known therefrom, the standard being it or for allow and 22 cerum for gold; or 11 minhos, Hindu endowing.)

The correspondence of the Indian system of weights with the troy weight of England, and with the 'systems métricale' of France, may be best shown by a table. The coincidence of the former is purfect: in the latter, the misha nearly seconds with the gramme, and the ser with the kilogramme.

SHITTING SERBLY WICKERS.	-80	Section 2	COP .	1 930	ORDA,	PRO	FOR WALLIETS
One Ser	-	100 2 2	60.6	0 0	0 0	1.0	\$7020,182 938,003
One Chiatak	5	D	0	7	12	7	11,062
One Buti	2	D	0	0	15 1 S7A	Ξ	0.072

¹ Especially in the translation of Regulations concerning the mints, the English expressions being unint-Rigible without explanation.

For the conversion of English troy weights into those of India, the following scale will suffice, since the simplicity of their relation renders a more detailed table unnecessary.

Db. Trop-	DE	Pws.	divisio.		Trice and Decimen
1	12	246	6799	-	\$2.000
	1	26	486	-	2,6566 460.
	9	1	24	-	0.1333 etc.
			1	-	6.0035 etc.

The accordance of the same weight with the 100 lbs. troy of England affords a ready means of assertaining its relative value in the standards of other countries employed in weighing the precious metals, since tables of the latter are generally expressed in lbs. troy. The following are a few of the valuations for the principal weights of Europe, etc. extracted from Kelly's 'Cambiat,' p. 222. The weights in troy grains have been converted into table by dividing them by 180.

Tank of Comparison of the Told and Man with the Gold and Silver, or Troy, weights of other countries.

FEATH LATE VERWEINGERSTEIN	Weight of a study E. mark, officia batte.	Number square to 1 man, of 10 But, years
ALBERTO, Wetical	0,405	7890,410
BARRA Miscal	0,450	8000,000
Carno Rottole	36,965	86,054
CALCUT Miscal	6,253	5347.926
CRINA ANTONOMIC TREE MATERIAL CONTRACTOR	3.72)	993,440
Conventioners, Chapter	27.538	416,100
DAMASCHW Ounce	2,000	1242,178
Dinman Mark	20.162	158,546
ENGGAND Pound property in the contract of the	32,606	100.000
FRANCE CONTRACTOR Kilogramme	86.745	27.320
Guntary Cologue mark	36.044	1.00.045
Hoggswo Mack	21,100	151,658
ITALY Florence and Laghern libra	29,111	109,923
Moena Vakis	2.655	1205.020
Proc. Tical.	1.138	2427,307
Pennia Dirbam	0.839	3812.207
Poseroual Mark	19.675	102,642
Paussia Mark	20,050	1.59,600
Roun Libbre	20,077	110,040
Russia Pound	\$4.102	91.161
SPAIN Mark	19.795	162,230
VESUCO Mark	20.452	105.457
VIENNA Mark	24.073	132,933

The principal dealings in bullion being with England, where it is weighed by the pound troy, while in India it is received by the tola, a simple table for the mutual conversion of these two weights (without regard to mans and sers) may be useful: it needs no explanation.

Truck for the methal reserving of Tales and Panels Truy.

TOM	viani engani T	any and De	MANUE.	1	Inst Posts	Section Local	
Polisa.	Pamis	706	rente	Promise.	Time	Brinks	Tomas
1000	31.2500	550	17.1975	100	9208	-51	1760
1190	30.0375	540	16.4700	Mix	-31 G8	54	1728
080.	30,6230	450	16.5025	199	31.46	58.	14990
970	30,3126	acmi	16.2500	97	3106	52	1000
9400	3000000	410	10.1025	500	302.8	51.	1682
9.00	29,6873	500	15,6350	.03	3040	50	1000
940	29:3730	494	10.5125	104	300%	19	1.0628
9.80	29,0025	450	13.8000	193	2976	48	1536
9:20	28.7400	479	14.897.5	192	2944	47	1501
B10.	28,4474	440	14.3750	91:	2912	46	1479
900	28 12.50	4,00	14.0025	199	2139	44.	1440
B90-	27.0123	4-518	12,7500	.99	2518	53.	1,400
080	27,6000	450	10.4975	.65	2516	13	1876
970	27.1878	620	13.1250	87	2794	12	1344
800	26.8740	410	15,8195	95	8783	-11	1.0310
850	26 5625	1009	12,0000	11.65	2728	10	1880
540	26.2400	Great .	12:1970	164	268N	729	1834
980	23.9375	200	11,8750	62	2656	38	1210
H20	25.0350	370	-11.5635	5.5	2024	117	1184
NIO-	24.8135	701.0	41,5300	92	3595	786	1152
1000	25.0000	7,000	10,0075	760	- 5266	:34	1180
790	24,6874	210	10.6950	.70	5525	300	Lines
790	24 37/95	300	19-2125	78	2195	33.	1000
770	21.0635	330	10,0000	77	2401	39.	1024
760	23.7500	816	0.0975	70	2493	-03	-0113
7/40	23,1976	766	9.3730	-74	2100	:00-	MGO
7.10	23,12.00	270	9,0025	71	2305	20	170
7.30	22,3136	230	9,7,800	.79	2336	-26 ·	399
730	22,0000	370	W.437/6	72	2304	- 27	2004
710.	22.1875	300	8.1250	71	3379	- 26.	Rikg
700	21,87 (4)	250	7.61055	.70.	2310	25	Built
GHO	21,6005	240	7,5400	.60.	2205	2.0	768
(Dia)	21,4500	930	7.1876	-600	2176	:26	.736
1170	50-047W	220	-6.9240	-0.7	2114	73	.701
666	90.6230	216	10,01105	198	2112	-21	072
660	20:3125	200	6.2500	19.5	2099	.20.	3940
640	20 0000	100	5.0074	191	29(3)	131	403
1130	19.687%	110	AREW	63.	2014	18	876
R20.	19,3750	110	5.71(24	69	10003	1.7	.063
ato.	19.8425	166	3,0000	31	1972	10	512
600	18,7000	1.00	4.6974	(28)	1920	1.0	450)
6500	18.4374	210	4,3750	.59	1888	110	1846
5140	18,1250	356	1,0024	58	1.656	13	416
37.6	17.5125	120	3,7000	57	£82.k	19	394
560	17,5000	200	3.4375	56	4792	-11	352

To reasont the deceases of a linear success and date, and vice versi,

12 cm.	- 1.000	it uz.	- 0,560 ·	29 dat	- N,095	2 diet	- 0.627
11	.31.5	5	.418	18	.075	7.	.020
.10	-633	4	-323	1.6	060	- 0	.020
9	.750	. 3	.230	1.4	.0.58	3	012
8	.666	2	_166	12	.051	2	.008
7	.582	1	. 498.5	10	.011		100.4

¹ nance tray — 2.007 tells, or 2 tells i miskes.

7] dwin , — 1 tells, and 1 dwi, — 1 33 tells

The same degree of correspondence cannot be expected between the Indian weights and the avoirdupels weights of England; but, as the latter are employed in all the transactions of commerce, excepting those of bullion and some other trifling articles, it becomes necessary to give tables for their conversion at greater length. In these, as on former occasions, the system of expressing fractions in decimals has been preferred, from the very great facility it affords in taking out the equivalents of quantities to which the tables do not extend. Decimal numeration is too well understood in the present day to require explanation, but one example may be advantageously given as applying to all the tables hereafter constructed on the same principle:

Required the equivalent of 57,353 mans, 35 sers, 6 chhataks, in avoirdupsis pounds.

Taking the numbers opposite to 57, 25, and 50 respectively, and removing the decimal point,—in the first three places, to the right hand;—in the second, one place to the right;—and in the third, one place to the left, we have

67,000 maps — £8002.64. 250 — \$8000, 2 — 246.837 27 sees — 76.114 6 chhats. — .771

lbs. 4718409,742 - 12 outputs mently,

Since 35 sers are exactly equal to 72 pounds avoirdupois, the following simple and accurate rules for their mutual conversion, will be found equally convenient with the table.

RULE I .- To convert Indian scripht into generalupois scripht.

- Moltiply the weight in sers by 79, and divide by 35: the result will be the weight in lbs. av.
- Or, multiply the weight in mane by 36, and divide by 49: the result will be the weight in cwt. uv.

Ruth II .- To concert accordagais weight into Indian weight.

- Multiply the weight in lbs. av. by 35, and divide by 72; the result will be the weight in sers.
- Or, multiply the weight in cwts. by 49, and divide by 36: the result will be the weight in mans, or mounds.'

One ton - 27,222 mans, or 274 mans nearly.

One man - 821lbs. av. exactly.

For facility of recollection this rule may be expressed in arithmetical poetry thus:

Of one hundred weight should you incline
A sum in Indian same to fix;

First multiply by forty-nine,
And then divide by thirty-six,

TABLE for converting New Biszar Mans (or Manuds), Sers, and Uhhateles, into Assirilapade Pounds, and Decembe.

Mans.	Pirtaria, Aresir.	Suc	Francis, Avoir:	Sire	Simile, Ar.	1117411	of 4a, and y the steed- of the
100.	F228.571	65.	4825.714	жуу 46	62.255	16 _	1,0000
99	8146.285	-5%	4443 429	30	80.225	164	/9987
98	8064,000	50	4581,148	38	78.171	10	.0370
07	7981.714	1/2	4278.857	37	76.114	144	.5003
96	7899.428	51	4196-672	36	74.057	14	.8750
96	7817.142	de	4314.286	95	75.000	198	3438
D4	7734,857	40	46XX.600	24	69,943	19	.8125
93.	7662,571	65	3949.715	73	17.836	124	.7813
92	7670.256	47	3867 429	372	65.629	12	7/400
91	7485,000	9/5	8785 143	3)	63,771	115	.7186
90	7495.714	4.5	3702,657	2.0	61,714	11.	6978
89	7325,425	44	9020,572	09	59,657	104	,0503
89.	7241.143	40.	15588,050-1	- 34	\$7.000	10.	.0850
87	7108.852	42	2430,000	97	86.043	9.1	,2036
MG	7976-871	43	837 8.714	26	475.650	.0"	,5625
85	6994.285	-817	3291 429	0.5	63,429	61	3913
81	8912.000	3w	2209.143	724	45.874	6	.5000
83	6829.714	29.8	3126,895	73	47.314	35	3686
82.	6747:428	197	2014.472	221	48.347	4.	,4375
61.	46FLG. 1 63E	780.	2952.280	24	43.200	15.5	4009
80.	64/12,507	.53.	25A0.000	26	41.100	0	.87.00
79	8509,571	31	2797.710	10	30,640	10	31438
79	6419,296	-51	.7715.420	16	37,929	A	31.25
77	6330.000	72	2613.145	37	94.971	4.4	22519
70	6230.714	-51	2550,635	76	92,914	4.	.2500
7.0	6171-429	30	2405,672	1.5	26.897	24	271.68
74	6069,149	79	7385,200	379	25,800	3	1976
73.	6006,857	109	7304,000	12	29,713	21	1.563
715	.6924.671	27	2221.716	1.9	24,556	10	1250
71	8842.280	26-	2(19,429	11	22,025	14	ADD0.
70	5700,000	20	2007.144	10	20.573	1	0075
400	5677.714	94	3974,859	0	14.514	1.5 des.	·,0685
08	0.005.420	28	3898.472		38.467	14	.0547
67	9919-149	22	-1519,216-	7	14.250	12	39508
66	5430.557	21	1725,000	10	12363	1.0	,0460
116	6310.571	70	1010,710	- 2	10.258	11	,0430
10	4286,286	10	1403,400	- 4	8.029	10	,0393
43	A151,000	16	3461.344	2	0.171	9	.0351
62	5101.714	17	1488348	7	4.194	N-	.0312
51	5019(429)	10	3316,373	- 1	2.057	7	0274
60	4937.143	1.6	1231,267	District W.	1,436	6	,0204
59	4854 557	34	1142.000	- 1	0.514	-5	.0194
58	4772.572	33	1069.715	3	1,186	4	.9146
67	4690;250	12	397,430	2	0.257	3	.0117
56	4608.000	-11	993.164	7	0.129	2.	.0078

(The last externs server for the conversion of the decimals of a pound avoirdings into ourses and drams. It will be found assful also with the two following Tables.)

Table for the concersion of Mans (or Maunds) into Tone, Hundredweights, and Pounds.

Mant.	Time.	1976	Ibs.	Matte.	Tries	rvis.	Dit.
100000	3673		43.00	100	3	13	42.57
10000	367	- 6	100.10	90	3	6	13.72
0000	350	12	27.29	80	2	18	86,86
5000	298	17	61.66	70	2.	11	48,00
7000	257	2	95.97	60	2	4	9.14
6000	210	- 8	18.26	50	1	16	83.29
2000	1/18	13	52.66	40	1	9	43,43
4000	146	15	36.54	:36	1	2	4.57
3600	110	4.	9.10	.20	0	14	77.71
2000	72	. 9	45.42	10	0	7	28.88
1000	86	14	77.71	9	. 0	. 0	68.87
200	22	1	25.13		9	- 6	96,28
500	29	.7	\$4,56	7	0.	ñ	16,00
700	25	14	31.00	6	0	4	42,11
600	23	-0	91.42	- 5	0	8	75,42
600	1.0	7	88.65	7/4	0	9	105,14
400	1.6	13	99.25	10	0	2	21.65
300	3.0	0	45.71	2/	-0	1	82.87
200	. 7	- 6	300,14	1	0	0	82.28

Taxin for converting Assirdupois weights into British Indian weights.

Your.	Manie	Man	nin.	Cwss.	Bu	de Ma	erals.	Mn.	Dan	daya ir Ma	epilis.
100	9722	10	10	19	25	74	chint.	100	inis.	er.	skkel 94
Øα	2450	3	91	18	-24	30	10	90	1	8	191
80	9177	38	- 5	17	22	- 5	- 94	80	0.	38	14
70	1905	23	7	16	21	31	2	70	- 0	84	0
60	1633	14	6	15	26	16	161	60	0	29	24
-00	1361	. 6	5	14	15	- 2	- 5	50	0	24	44
40	1088	36	4	32	37	27	325	46	0	19	7"
30	916	27	3	12	16	13	65	20	0	14.	94
20	544	15	2	11	14	48	14	20	0	0	114
10	272	.9	1.	10	13.	24	74	10	0	4	138
- 9	245	0	24	9.	12	10	0.1	9	0	4	6
8	217	at	4	8	10	35	9	8	0	- 8	141
7	190	22	54	7	9	21	15	7	0	3	66
6	162	18	7	- 6	- 8	6	104	- 6	0	0	144
- 5	136	4	84	- 5	- 6	32	. 32	5.	0	2	7
4	108	35	10		- 5	17	124	4	0	1	164
3	81	26	118	3	. 4	2	44	3	D	1	71
2	54	17	13	1.2	1	28	141	9	0	O.	151
1	27	-8	145	1	1	14	74	1	- 0	0	7

The British Indian system of weights having been ordered by Regulation VII. of 1833, to supersede the bazar weights previously used, (of which the unit was the old Murshidabad rupes weight of 179.666 troy grains, called the sikks weight), in all Government transactions, a corresponding adjustment was made of all the weights in use at the several Government effices of the metropolis—the auston-house, the mint, the treasury, the bank, and the police; and sets of standard ser and tola weights of bross were ordered to be prepared at the mint for distribution to all the collectors' offices of the Bengal presidency.

The Regulation in question expressly avoided enforcing the change by any penal enactment, trusting that the sense of public convenience would quickly ensure its substitution for the irregular system now prevalent; and directing only that the verification and adjustment of all weights at the Calcutta and Sagar assay offices, should be made for the future in accordance with the new scale.

In the ordinary dealings of commerce, the difference between the bazar weights and the new weights is not recognizable: indeed the error of single large weights is generally found to exceed the amount of modification new introduced: no inconvenience therefore remains from the still general use of the old bazar weights, while the principal European mercantile establishments of the town, as well as all the native bullion merchants, have already had their weights adjusted to the new system.

Where it may be required, however, to know the precise difference between the old and new system, recourse may be had to the following table. The new man will be seen to be one chhaták and a quarter, nearly, heavier than the old bázár man: which would induce an increase in the price of articles to the trifling extent of one-fifth per cent, or three anis in a hundred rupees.

Tanze for the mutual concernion of Tolds and old Sikka Weight of Bongal.

Old Blicks Wargest state Tollar.					Dista line El	ni Weight.	
Old Stream	Years.	TES STANK	Total.	THE	Chi mark	Total.	OH Sikki Weigld.
3200	3194.660	500	799.615	2200	3205.948	800	801.487
1.600	1507.030	700	699.700	1.000	1602.974	700	701,301
1500	1497.216	600	598,886	1.500	1502.789	600	501.115
1400	1397.401	500	499,072	1400	1402.004	500	500.929
1300	1297.587	400	399,257	1200	1302.419	400	400,734
1200	1197.772	300	299,443	1200	1202 220	300	306.557
1100	1097.958	206	199.628	1100	1102.044	200	200.371
1000	998,144	109	99.514	1000	1001.879	100	100.185
900	898.329	L Sus	0.662	900	901.673	I mishs.	0.084

This table will answer equally well for the conversion of old bazar mans or sers into new mans and sers, the ratio being the same, namely, as 180: 179.666.

PACTURY WEIGHTS.

There is another species of weight employed in some branches of the commerce of Calcutta which it will be necessary to expel before uniformity can be established. This is the system of factory weights originally used by 'the English factory at Bengal,' and now generally retained in the commercial transactions of the Government, although long since superseded in their customs and revenue business by the bigar weights.

It would appear to have been adopted in 1787 to save calculation in the home remittances of produce, three factory mans being almost

exactly equal to two hundred-weight avairdupois.

A moment's inspection of the Calcutta price-current will be sufficient to prove the great inconvenience which the retention of the twofold system must cause. Some articles are quoted at 'sikka rupees per bazar man,' others at 'sikka rupees per factory man,' and others again at 'current rupees per factory man,' the current rupee being an imaginary money, of which 110 are assumed as equal to 100 cikkas?

To increase the perplexity, the same article is often estimated in a different scale as it comes from different places; thus, Radnagor and Raulaah silk are sold per bacar ser: while Kasimbásár and Gonates silk are sold per factory ser. Tin, iron, verdigris, Japan and English copper, per 'sikki rupees and factory man: '—steel, zine, lead, mercury, and South American copper, per estrent rupees and factory man!—Gum-Benjamin is sold by factory, all other gums by banar, weight:—stick-lac by the former, but shell-lac and lac dye by the latter!

Many more examples might be furnished of similar inconsistency. Saltpetre, indigo, silk the produce of the Straits, and metals, are the principal articles sold by the factory maund; while grain, sugar, cotton, most articles of food, and all of retail basic consumption, are sold by

the bagar weight.

The old basar mannd was defined to be ten per cent, heavier than the factory mannd; therefore the latter will be equal to 74 lbs. 10 ox. 10.666 dr. avoirdupois; the ser to 1 lb. 53 az. 13.866 dr.; and the chhatak to 1 oz. 13.366 dr.

From the simple relation of the factory to the basis weight, there can be no difficulty whatever in substituting the latter in its place, in the valuation of such articles of commerce as are still estimated by the former:—nothing more being necessary than to add ten per cent. to the prices formerly quoted per factory maund. Thus, indigo sold at 100

or 200 rupees per factory maund, will now be 110 or 220 rupees per man, and so of other goods. As such goods are invariably weighed at the custom-house on the new system, and the duty or drawback calculated accordingly, it is only a source of perplexity to buy and sell by the obsolete weight; and to retain two species of weights in a ware-house, must obviously open the door to continual mistakes, if not occasionally even to fraudulent interchange.

The following Table gives the conversion of factory weights into new mans accurately, but in ordinary practice the following simple rules will suffice.

- I. Deduct one-cleventh from the weight in factory mounds, sers, or chhatáka; the result will be the weight in British Indian (or bázár) mans, sers, and chhatáks.
- II. Add ten per cent to the price per factory mannd, etc., the result will be the price per British Indian (or bázár) man, etc.

The reverse table has not been calculated, because, it is to be boped, it will never be required.

Tanza for the conversion of Bengal Foctory weights into new standard mens and decimals.

Facility religion, manus.	New man.	Patricy weights.	Sys man.
10000	9974.400	mant. 6	4.627
1000	007.440	The second second second	3.630
100	99.744	1	2.722
50	81.669	2	4.616
60	73.496	1	9,907
70	63.620	rem 20	0.463
79 69 60 40	56.440	10	0.927
.60	45.272	5	0.113
40	26,297	4	160'0
30	27.253	3	0.068
20	16.146	2	0.045
10	9.074	Second March	0,023
	8.167	chhattiks, 8	0.011
8	7.259	4	0.005
7	6.852	9	6.003
6	5.444	1	0.001

(To reduce the decimals into one and handredths, multiply by A and more the decimal joint and place to the right: he convert the handredths into chindran, multiply by 10 and divide by 500.)

CURRENT SCIENT PRICES.

By a fortunate chance we are able to meet the apparently perplexing practice of estimating the values of some articles in 'current rupees per factory weight,' with a very simple method of expressing their equivalents according to the new system, so as to obvinte any supposed difficulty in cradicating long established habits: for 100 current rupees being equal to 100 places of \$6.207 sikks rupees, and one factory man being equal to .90744 mun, as above stated; the ratio of the two modes of valuation will be as 100 to 86.207 → .90744, or 95 exactly. Hence may be deduced the following simple rules:—

I. Deduct five per cent. from the price or value quoted in 'current rupees per factory weight,' and the result will be its equivalent in

sikká rupces por bázár (or now) weight."

II. Add one and a third per cent. to the price or value quoted in 'current rupees per factory weight,' and the result will be its equivalent in Farrukhábád, Madras, or Bombay rupees, per bázár (or new) weight.

The following table is constructed on this principle, and is applicable to mans, sers, and chhatáks, as the case may be:

Taken for the concersion of values quoted in current rupees per factory maund, see, or chhatch into their equivalents in sikka or Farrughabad rupees per new standard (or blade) weights.

Current repend per fectory leads, else	ren bere trace, also,	A. yer new task, etc.	per Sectory man, mr, stn.	Desirous of athles ye. pay tow man, vin.	Deciments of Fd. Mari, Hous, en. pr new mass, ser, ste
1000	950,	1013.333	18	108.0	0,950
100	96.	191,008	14	.631	,596
00	24.5	91.206	- 19	.172	.822
No.	76.	W1.064	12	.7126	.740
70	06.5	79,988	- 11	-653	.896
60	67.	150,800	10	-504	633
60	47.6	56.686	9	.654	.570
40	38.	40.533		-475	.506
20	28.5	30.400	7	-630	3445
20	19,	20.265	6	.356	,360
10	9,5	10,122	5	,297	.316
D.	4.76	5.665	4	.237.5	.253
3	2.85	3.040	3	.178	.190
2	1.90	2.625	2	.519	.126
î	6.96	1.013	1	0.69	.863

(To reduce the decision into dute out pale, we Table 1, it.)

The only other denomination used extensively at the Presidency is the sult man, which is 2½ per cent. heavier than the bázár man, having 82 telás to the ser. It is much to be regretted that this absurd weight should not only have been retained, but that after the promulgation of the new regulation, the Government ordered a completely new and expensive series of brass weights to be made up for the Salt Board, at considerable cost, on the old system! It would of course have been just as simple to order the weighments of salt to be made with the new man, and 21 per cent. surplus to be levied on the gross amount to cover wastage; the weights would then have been convertible to general use, whereas now they are confined to one specific

purpose.

In the Madras and Bombay Presidencies, the weights of commerce have been long since made to conform with the avoirdupois system, by assuming the nearest approximation in pounds to the local man, and adjusting the latter to it. Thus at Madras the 'man' is assumed as equal to 25 lbs. avoirdupois: and at Bombay the more convenient equivalent of 281bs, or one quarter cwt., has been adopted for the standard man. As these weights (especially the latter) are convenient by their direct relation to the commercial unit of England, it is neither to be expected nor to be wished that they should be exchanged for the weights of Bongal. Indeed, it should be remembered, that the use of purely English weights, even in Calcutta countinghouses, can lead to no confusion ;-it is the introduction of a fictitions native weight, like the factory man, that is objectionable, as being neither Indian nor English.

The ser at Madres contains 8 palams' of 10 parodes each, so that, like that of Bengal, it has the the sub-division into 80 parts. In the Malabar system, also used at Madras, 21 palans (fanams) make a ser, and the tola occupies the place of the man; it is equal to 25.1921bs.

The ser at Bombay is divided into 80 pa'is, or 72 tanks, or 72 troy

grains each.

The conversion of the Madras and Bombay mans into the bazar man of Bengal requires another table. A practical estimate of their relative values may, however, be held in the memory by means of the following simple ratios:-

Ten Madrus mans - 3 mans, 14 sers, Bengal, nearly.

Three Bombay mans = 1 man, 1 ser, nearly.

The exact ratios between the cwt. and the man given in page 100, are of course applicable to the derivatives of the avoirdupois pound in the other Presidencies."

- [Generally, though corruptly, written 'pollans or pullans' yan. from a. U.S.]
- 1 [s. 24 fant, RAR. 24. 214 fant ut fant.]
- ⁶ The readiest practical method of reducing the Indian to the English system, where the utmost accuracy is not required, is derived from the equation, 500 mans. = 11 tons. Hence we have the following rules in addition to those given in

III. Add a tenth to a sum of mens, and divide by 30 results—the weight in tons. IV. Multiply a sum in tons by 30, and deduct an elevanth from the product: results-its value in mans

V. Deduct one-third from a weight in more, and increase the remainder by one-tenth: results—the weight in cwts. nearly.

VI. Add one-half to a given weight in cwts., and diminish the sum by one aleventh: results—the equivalent in man, nearly.

For the more exact conversion of one denomination into the other, the following table may be consulted:

Table for the mutual Conversion of Bengal, Madras, and Bombay mans.

Dengal wares.	Marie Cana	Senday name.	Wadnes mane.	Straged mann.	Betellay mank.	Benjoil mans
1000	3291,428	2838.775	1000	303.520	1,000	340.278
100	029.143	290.877	100	30.882	100	24.026
00	296.229	364.492	.90	27.344	90	30.625
90	265,31/	235 104	80	24.300	80	27.222
70	230,401	205,716	70	21.269	70	23,619
.00	197.487	176.328	- 60'	16.230	100	20.416
30	164.671	146.038	50	10.191	50	17.014
447	131.656	117.512	40	12.102	40	13.612
30	96.742	53.164	- 50	9314	30	10.209
20	65,828	55.775	.25	0.076	20	6.996
10	22.914	29.585	1.0	3.038	10	3,603
1	3.291	2.939	10.7	0.304	1	0.340
pers, 20	2,469	2.268	40%, 30°	0.225	new 30.	0.255
20	1.049	1.469	29	0.102	20	6,170
10	0.823	0.734	190	0.476	10	0.085
	0.411	0.347	5.	30:03N	0	0.042
	6.329	0.794		0.000	4	0.044
3	0.240	0.220	5	0.032	3	0.025
2	0.104	0.147	2	0.61.5	2	0.017
1	0.082	0.073	1	0.005	1	0.008

The next table will be found very convenient for reducing the decimals of mans in the feregoing, and upon all other occasions, into the ordinary divisions of the native weights, vir., was and chinataks.

TABLE for converting new and chlatche into decimals of a man, and vice versi.

		Director	usin the		Sure	Derimale
CHAIN.	0.000	3 800	3.ees.	3.80%		District of the second
0	.0006	.0250	.0500	.0750	- 6	.0000
1	.0016	,0266	.0516	.0766	8.	2000
2	-0031	.0251	.0631	.0781	12	3000
3.	0047	.0397	.0547	.9797	16	-4000
4	.0062	.0313	.0562	.0612	20	.5000
5	.0078	.0328	.0678	.0628	24	-6990
8	.000·k	,0344	.0094	.0544	28	.7000
	0199	.0339	.0607	,0829	32	.8000
7 8	.0125	.66376	.6925	.9575	36	.9000
9	.0141	1600	.0641	.0891	40	.10000
10	.0156	.0496	.0656	3000		
11	.0172	.0422	.0672	.0992	W. A.	- Commence
12	.0187	.0437	.6687	,0957	-decirnuls r	e last figures of
13	.0293	.0468	.0703	.0953		after every four unaccountry to
14	.0219	.0469	.0719	.0960	Stater's Street	n at length.
15	0234	.0484	-0734	9754		

GENERAL TABLE OF INDIAN WEIGHTS.

However desirable it may be, in theory, to reduce the system of weights throughout the vast continent of India to order and uniformity; in practice, it is well known that insuperable difficulties oppose the execution of such a project: if over effected, it can only be done in the gradual progress of time, by the spread of knowledge, and by the growing inter-communion of the multitudes engaged in the internal traffic of the country, who would by degrees feel the advantage of uniformity in their dealings.

It is a comparatively easy thing for a government, having the sole issue of voin within its own territories, to fix upon a convenient unit of value, and establish it to the supersession of former currencies; but the weights of a country do not so immediately come in contact with the ruling power (even though it have a commercial character itself:) not at least as regards the domestic or market weights, which are localised in a thousand distinct feel under as many modifications of

prices, customs, and modes of calculation and sub-division.

It is but lately that the Legislature has attempted to equalise the weights of England, and then only by the retention of a double system. India does, however, in some respects, offer a better chance of success than the countries of Europe, where each locality has, by municipal laws, rendered permanent and cognate its own system, however differing from that of its neighbour. Here, all is vague—the standards of reference being in most cases the local rupes or copper coin, themselves subject to variation; or of modern introduction, and capable of equalisation.

Thus, throughout the Maráthi states, the ser is referred to the Puna or Ankusi rupes: in Gujarát, to the Baroch rupes: in Ajmir, to the Sálimsáhi; in Bengal, to the old Murshidábád rupes; all comparatively modern. In Madras, the coin of that presidency, or of Mysors, or Pondicherry, are appealed to; but more generally the English avoirdupois unit has become familiarised, as has been already stated, by the adoption of 25 Ds., to represent the commercial 'man.'

By persevenues, therefore, in uphalding one common system for the whole of British India, or at least for the Bengal presidency, a system founded on the previous habits and institutions of the country; by connecting it (as has been done) with a rupee of general, and to be hereafter exclusive, circulation; by restricting Government transactions to this system, and affording facilities of adjustment by depositing standard weights in public offices all over the country;—there is some reason to hope that, eventually, the incongruous mass now prevalent will gradually give place to the convenience of an universal and single species of weight.

There is another argument in favour of its feasibility, namely, that India does not, properly speaking, possess dry or liquid measures. Where these are employed, they depend upon, and in fact represent the ser or the man weight; the mention of measures has been accordingly omitted in the foregoing scheme for Bengal, leaving the value of any vessel of capacity to rest solely on the weight contained in it.

The mode in which this is effected for the 'dry measures' of South and West India is, by taking an equal mixture of the principal grains, and forming a vossel to hold a given weight thereof, so as to obtain an average measure. Sometimes salt is included among the ingredients. Trichinopoly is the only place where grain is said never to be sold by weight. The markal and para are the communest measures; the latter is known throughout India; in Culcutta it is called ferral,' and is used in measuring lime, etc. which is still recorded however in mans weight.

Of the origin or antiquity of the Indian weights it would be out of place here to institute an inquiry; the ancient metrology of the Hindus has been fully described by Mr. Colebrooks, in the 'Asiatic Researches,' As with the coins, so with the weights, Southern India retained most of the names and terms properly Hinda, pala, tuld, etsa, bhard, khdri' (? khandi), bake. Throughout the Moghul empire, on the contrary, the ser and man were predominant. The word 'man,' of Arabic or Hebrew origin," is used throughout Persis and Northern India; but, as might be expected, it represents very different values in different places: thus the most of Tabriz is only 61 lbs. avoir., while that of Palloda, in Ahmadnagar, is 163] Iba.

It is probable that the ser, a Hindu weight (setak), was more uniform than the man, since it was founded upon the tola (tolaka), which, with its subdivision, the sease, must in very ancient times have been extensively known throughout commercial Asia. There can be little doubt that the 'tale or tael' and 'mace' of the Chinese are identical in origin. The variations of these weights may have been smaller, because their use was nearly confined to the precious metals and other

[&]quot;In Belary this is called the new-donises measurement; from the 'nine' sorts of grain used: rice, wheat, coolty, paralise, meroconscilor, od seeds, Bengal grain, assummedies, and needed. In Burwar, they take, wheat, toor, burbury, receibbee, moonly, cored, juwarre, publy, and madice."—Kelly's Metrology.

2 Properly Marsakal, from the Tamil.]

s [not Para.]

^{• [} पन म بار • ال • • वारी.] • ال • • भार. • • खारी.]

The Rebrew manch was equal to 15116 gra. tr. or 72,83 tolks. The Greek mina to 6244 grs. or 33.57 lobbs.

articles of value; the ser is quoted at the highest denomination of this class of weights in one Sanskrit work. For gross produce a greater latitude was required, and larger sers were introduced to sait the value of each article; the weight apparently, rather than the price, being made variable: while to provent the ambiguity which might follow, it became necessary to define the ser employed as of 30, 40, 60, 72, 80, 90, or even as far as 120 telás; and probably when the current cain began to vary from the original tolá, the mention of this weight became obsolete, and reference was made direct to the rapees of the local currency. It is to meet this mode of expression that, in the following table, the value of every ser has been given in the standard tolá of 180 grains.

The way of India may, as a genus, be divided into four different species: 1. That of Bengal, containing 40 acrs, and averaging about 80 lbs. avoir: 2. That of Central India (Málwi, Ajmir, etc.,) generally equal to 40 lbs. avoir. and containing 20 acrs, so that the ser of this large portion of the continent assimilates to that of Bengal. 3. The man of Gujarit and Bombay, equal to 1 cwt. or 28 lbs. and divided into 40 acrs of a smaller grade. 4. The man of Bouthern India, fixed by the Madras Government at 25 lbs avoir. There are however many other varieties of mans, from 15 to 64 acrs in weight, which it is unnecessary to particularise.

Abû'l-Fasl defines the man of Akbar's reign to be 40 sers of 50 dâms; each dâm being five tinks. The tank is in another place described as 24 ratis; the mashs of eight ratis has been assumed, from the weight of Akbar's coins, to be 14.5 grs. troy. This would make the emperor's man = 34 f lbs. av., agreeing pretty well with that of Central and Western India. The tank, as now existing in Bombay, is 72 grains; in Dharwar it is 50 grains; in Akmednagar, 266 grains. Its present weight consequently affords no clue for the verification of the above astimate, however desirable it may be to determine the point. In one part of the 'Ayin-i Akbari,' the dâm is called 20 mashas, 7 ratis, which would increase the man to about 47 lbs. In the absence of better evidence, it may be safe to recken it in round terms at one-half of our present standard man.

ORIGIN OF THE PRESENT TABLE OF INDIAN WEIGHTS.

In 1821, the Court of Directors called upon their commercial agents, collectors of customs, and other public officers of the three Presidencies, to procure and forward to England accurate counterparts of the standard weights and measures in use throughout their territories in the East. The order was promptly obeyed, and the required models sent home, with certificates and explanations. The packages as they arrived were placed under charge of Dr Kelly, who was assisted in his examination and comparison of the weights by Mr. Bingley, Assaymaster, and of the measures by Mr. Troughton, both of whom had zealously co-operated in comparing the standards sent to the English Government from other parts of the world.

The dispatches accompanying the standards from India contained full information on the meansy and trade, as well as on the metrology of most places: this is embedded at length in the supplement to Kelly's 'Cambist," whence it was subsequently collected in an octave volume,

entitled Kelly's 'Oriental Metrology.'

It is from these sources that the accompanying table has been drawn up, exhibiting in an abridged form the principal commercial weights of India and Asia. Most of the subdivisions peculiar to each place have been necessarily omitted for want of space, but, where possible, the formation of the ser, etc., from the local unit is mentioned. It may be generally assumed that the same system follows the common scale, vin.:

16 shhataks - 1 ser.

40 mm = 1 man

20 mans - 1 khandi or mini.

The use of a five ser weight also universally prevails under the name of Panseri, dhari, or visa. The shart from its name, however, seems to be properly a measure, and secondingly, while in Málwá it is equal to 6 sers, in other places it is found of 4, 41, 52, 10, 11, and 12 sers. The terms adhebi, adhebi, balk, pie, poweb, quarter, adhebi 'half-quarter,' frequently occur: they explain themselves.

The only novelty in the present table is the insertion of the two last columns, expressing the equivalents of the local weights in the standard man and tolk of the British Indian system. The column containing their values in avairdopsis pounds, concess, and drams is

according to the Loudon determinations of Kelly.

Where the ser only of any place is mentioned in the first columns, the value of the man of the same place, expressed in parts of the standard man, is inclosed in percetheses to prevent mistakes: it may be remarked that the ratio of the man will answer equally well for the

^{1 [} Prom a. 1915 Shands : it is commonly written 'qually,']

Written puncherror, puncher, and punchaser in KRILT.

ا [١١] ويوايي dhari] Written dhare, dhare, dhadar, dhadam, in Kuttv.

Weitten vis, rus, riscy, reary, due, in Kunzy.

ياوه ادهيلي ٣٠

ser, it being understood that the subdivision into 40 sers holds for the mans of the two places compared. To reduce any local weight into the standard denomination, or into the bazir man of Calcutta, nothing more is necessary than to multiply by the number in the last column, and convert the decimals into sers, if so required, by means of the second table in page 108.

The column of 'tolis per ser' will best express to a native the value of the weights of any particular locality; being the customary mode of

estimation throughout the country.

In expressing the dimensions of the markal, the parra, and a few other dry or liquid measures; sometimes gallons and sometimes cubic inches have been introduced by Kelly. It may be convenient, therefore, to explain that, by the exactraent of the 1st January, 1826, one imperial measure was established as a substitute for the variable wine, ele, and corn gallons of England, with their multiples and divisions.

This imperial gallon was made to contain 10 lbs. avoirdupois weight of distilled water, weighed in air at the temperature of 62' Far., the barometer standing at 30 inches. It has a capacity, therefore, of 277.274 cubic inches. Some of the most useful derivatives of this unit are here subjoined for the sake of reference.

Internel day and transferm.	Child pro-	Artifettenia et a	Lotine weighte.
1 pint, 2 = 1 quart, 8 = 4 = 1 gallen, 64 = 32 = 8 = 1 = 1 lis 512 = 256 = 64 = 8 = 1 qu 1046 = 1024 = 256 = 32 = 1 ch	377.274 1.284 c (2 fbs.8 10 fbs. 80 6s8	48.511 telán, 97.222 4.861 ser, 38.885 7.777 mas. 31.111

The old wine gallon contained 231 cub. inches; the ale gallon 282 c. i., and the corn gallon 268.8 c. i.; whence are obtained the following multipliers to convert them into imperial measure, viz., .833, 1.017 and .969 respectively.

It will be remarked that the gallon nearly corresponds with the pansers or dhari of the Indian corn measures, while the bushel bears the same proximity to the man weight. Standards of the bushel, gallon, quart, and pint, are deposited in the Assay-offices of the three Presidencies. The following is the scale of measures in use at Madras:-

```
cub. inches.

1 walak, 1 = 11.719.

8 walaks, = 1 pads, = 92.752.

8 pads 1 = 1 markil, 1 = .750 = 27 lbs. 2 ex. 2 dr. water.

5 markils, = 1 parva, = 3,750,

00 parras 1 = 1 garce 1 = 200,000.
```

The particulars of the Dry Measure of Ceylan are thus given in the 'Oriental Metrology.'

```
inch
                             gallem.
                                       inch.
 4 cutchundoos, = I sec.
                                0,24 - 1.35 diam. + 4.35.
             = 1 coordy, = 1.15
4.5 sees,
2.5 goornies,
             = I mickly =
                               2.85
                          - 5.76 - cube of 11 56 inches.
 2 markals,
             = 1 parts
             - 1 amount, - 46.05 - 51 budsels,
 S purras,
93 amename,
              = 1 lut, =
                                432 - 02 quarters.
```

Thus it will be seen that there is no fixed rule as to the subdivisions and multiples of the pares or markal.

```
* [ TAN. Merchhol. 10. July = markel.]

* [ TAN. Merchhol. 10. July = markel.]

* [ TAN. Perro: in page 110, and 2, incurredly given as "mar. Page."]

* [ Properly, TRL. Giripe.]
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Tanks of the Commercial societies of India, and of other trading places in Asia, compared with the Unitial-Indian Unit of weight, and with the Accordance system of England.

Places.	Demolistics of Water.	Tajus in Rug- ital seminin- pote sengité,	No. of stant- ford Tolke per age, etc.	Talue of many ste, in Many and decinate,
Athren in Sami-	Tale, of 16 mars or 64 coppage.	m. or er. gra 168.2	0.790	
100	Cotty = 100 tales or 20 buscals. Bakar, of 200 cutties.	423 8 0	62,370	5.1469
Ahmedahad in	Bamboo, Equal measure		130.650	
Gajarit.	Tells as 22 value, or 9d ratio.	grs. 193.440	1.073	Wit-
ouperus.	Non, of 40 ares	42 4 13		0.51.00
Ahmadaugur, in	Tell - 12 mishar or 96 ganjus		2 047	0.5140
Aurangabal	Ser, com, at. (of 90 Ankon re.)	1 15 8	70.047	544
orange and annual	Man, of 40 men.	78 16 12	70.862	0.9599
	fler, of commity (130 Askoni re.)		105,425	
	Man, do 12 pails - 48 ars.	130 2 0	100.480	1.5514
Ambuyon, in the	Tale, of 16 muon amountains	evs. 455.35	2.540	
Moise iss.	Hohar, of eleven many managed	496 12 0	ei s	7.2521
4		3255 # 0	415	29,5632
Ahmode, Gujaria.	Man = 40 sers of 40 Burnels rs.	40 5.12	29,424	0.4928
	is for grain - 40 mm of 41 da.	41 9 8	40.418	0.8052
Andrew Marie	in the author 12 ares at in	45 10 10	354	0.6308
Anjar, Etiaj.	15 of 40 new (of 36 dokurin)	27 9 %	26,444	HORR: U
Automor Warmen	Kalif, measure = 64 maps	2030L(0c.iii.)	111	***
Anjungo, Travan-	Klundi (== 35 trlong of 10ths.)		HY	0.8056
dorn, M.	Mun (20 in the khandi)	28 0 0	Fig.	0.3402
Arkht, Mastras.	Packs on; of 24 polision	1 13 0	70.480	(0.8811)
Anmodh, Kalpi-	Pudi, for grain = 47 politics,	2 6 12	1317,0260	TO MORRE
section and another	Ser, for cotton (we Kalpa)	2 0 8	88.336 78.093	A CONTRACTOR
Aurangelender	Tolk 12 marhan, or 72 ratio		1.041	(0.9872
in Bindh.	Ser, of 64 pare	1. 13 12	72.461	444
	Man, of 40 mas,	74 10 10	100	(0.9074)
Bagulkota, M.	Kacholskiner, "for grounties, nil, otc.	0 6 34	20	0.2456
	Pukka me, for gesin (116) c. i.)	2 6 11	133	(1.9610
Bairseah, Malwa.	Ser, of 86 Ehopal repeat	3 19 33	73.892	(0.9862)
	Man, of 40 week	77 1 12		0.9371
Bands, Molascan.	Cutty, of 41 the Dutch.	40 10 10 10		0.0740
	Botter, of 100 certics	610 0 0	1865	7:4132
Banachase Is	Sockal, of natumps, 28 rattice	179 12 13	900	2.0747
Bangalore, in	Karlichi ser, of 24 repress	0.70 0	24,504	(0.3038)
Maisar.	or or Made of All ours	25 6 0	0.00	0.3035
	Klandi, of 20 mms		A 7600	6.0764
	Pakka my, for gyaln, 54 rapers	2 1 101	81.540	(1.0230)
4	Khanii, of 20 kolugus, or 160 sers.	236 12 45	100	4.0926
Banjur Massin.	Markil, 079, 10, 12, etc., toldiars.	2244	4 415	
In Burney L	Tale, of 16 mace. Porul and natty (nor China)	Erz 011/1	3.615	.815
	Lest, grain measure - 230 gunton;	2006 10 10	120	37,0086
Bantam, Jura.	Tale, for gold, musk, etc.	ers. 1005	5.866	4415000
	Bahar - 2 peculs of 100 carties.	206 0 0		4.8124
	Coyang, of rice = 200 gantams.	8681 0 0		105.4983
Banswarra.	See Malwa		***	
Bardoler, Sárai.	Man, of 394 sers, 2 pice	37 4 48	- 1	0.4629

Place	Draminschni of Weightle.	Palm in Eur- tude evolution poin Weight.	Sin, of Alsonia and Tolkie yer ser, etc.	Value of mone. See to Mara, and decitable,
Baroda, Barock.	Ser, (pergenson,) at Wallishbi re. Man, of \$2 was	1 0 13.8 1 9 10	Tuns. 11.186	Mans. 0.5420
Batavia, Jaros	Khandi, of 20 mans. The fown or has 41 Hillian rs. The Scansons man is of 10 ters. Mark, of 9 mals. Bahar—J pouls, of 100 cattles.	892 I 4 I 0 9.5 42 7 10.6 grs. 422 406 14 0	40.286 2.844	10.8411 (0.5035) 0.5162 4.9416
	Coyung of no. = 0.300 lin. Dench Dealerng, of a practic Kanne, liquid measure		11 m	63.5190 61.7133
Baulesh, Bengal.	Sep, of All all wt. or holis Ser, of 60 of. st. for liquids, etc.	*11314 *11314	90, 60,	0.7300
Holginer, Mackthi enumbry	Ser, of 24 Shapars re. (174 ges.) Man, of 34 sero. Fola, of 20 Kantorn femore.	26 3 15	0.070	0.8189
Helliny, Mad. Cul- rel Histo.	Nov. of 21 Mysers on or tallion. Man, of 18 mers. Man, for cotton (m.15 mags 1	0 8 74 26 0 8 26 0 4	24.421	(0.2678) 0.3963 0.3198
Hona ne.	Falling on, grain care to, 112 re. Markel character do -12 rer. Tolk, of 214 grains torp. 114.	Maria Maria	112. 1008. 1,194	0.8160
	Sec. of 101 of 91.	2 10 0 2 0 2 2 8 7	105. 104. 86	1.3125 1.287A 1.2006
Braceoten, Sum.	Tale, for gold, etc 608 grama. Cutty, of 16 tales	WWW.7	5,940	2000
Betslinks, Amb.	Noted, of 10 name,	20 0 4	50,600	0.9177
Bropa), Bhiles. Riccion Empire	Robert of 40 fracility	WIN TO O	reil.	0,0121
Bombay, Memy weight.	Tonk, of 24 radio, (for poorie.)	270.73	0.400 7.000	200
Commercial weight.	Ser, of 30 pion or 72 tanks Man, of 40 oers. Khandt, of 20 mans.	0 11 31	27.924	0.3402 6.8056
Getin measure	Ser, of 1 tippeves Pera, of 16 pails or adhesis Khandi, of 8 perse	8 11 3.2 44 12 12.6	24,635	
Погрипь	Parra, salt measure, 6 gallons Ser, for liquids, 60 Boss, co See Banjar Massin.	1607.4 e. E.	60.	(0.7440)
Barneh, Gujarit.	Man, 10 sers, of 40 m	41 9 5	89,408	0.5052
Bushire, Persia. Bases, Arab. Bughdad,	Man, for estron, 42 seys. Man, Tubelet = 720 minkils Man, of 24 rekins Sophi Man=6 ckey of 400 dicheso	116 0 6	29.885	0.6897 0.0934 1.4897 0.2005
Cacher, Tempain Calcutta,	Tale, of 10 mass, or 1800 kbs (See the foregoing pages.) Orain weights or messures are de- rived from the others, thus	Tr. 590.75 The. 52t	3.282	1.0000
	1 kunki—8 chlotik- 1 raik—4 kunkis—14 set 1 palii—4 raiks—6 sees	termer .	95. 90. 400.	***
Calient, Malabar.	I small:—20 pullis—25 mans. Ser, of 50 Suret re. Man, of 68 sers.	0 8 27	5400, 19.849	2.500

Past	Description of Wagner.	Males to The Unit property post weights	Str. of spanish	Verse of protection and description
Cambay, Malahar,	Same as Séruit	No. 16. 60.	THUS	Atani.
Canton.	Sie China	(4.6)		
Cape Town. Carwar, Kanara.	Man, of 42 sers.	28 0 0		0.3159
Chylan.	See Calamia.	. 16 6	***	46 00.40
Chanadar, in Ab- molnogar	Str. of 74 Ankasi m. 10 mbs Ser of especity=72 tacks Man. =64 mm,	2 6 7	71.702 90.995	(0.8963)
China	Tale, see page 16 (-579,54 gra.)	0 1 6	9 941	1.8200
	Cutty, of 15 tale.	1 5 6	3.221 51.586	400
	Ferni, of 100 ratters.	133 A 6	100	1.4987
Ceclain, Malahar.	Man, of 25 lbs. of 424 sers	27 2 11	441	0.3301
Coimhatac, Myssee		24 1 9	ASC.	0:2923
	Palam, (of 10 pagedas.)		2.936	1,444
Polaste Person	Tula, for cutton.	7 6 0	291.066	200
	Manus 125 polium, of 105 gra.	15 12 13	244	0.2284
Colombo, Ceyton	Khandi or Dahar	500 0 0	091	4.8702
cutomas, celina	Garen, (85 out. Sigen, 161 Ibr.)	9990 8 0	1995	6,0764
	Markid, dry mem = 10 mer.	200c 2.55	1000	1200000
	Purch, de	6.74	.000	2000
Comercelly, Ba.	Sin, for metals, 59 sn. wt	179	66.	(8.7)60
Coolpubar, Culp. Coesimbianic, Da	Ser. 5ers, of 70, 75, 80, and #2 16 00.	3 1 61	120.000	(£.6000)
Calpi, Agra.	Ser, for sugar, mutals, grain,	2 1 16	82.457	(1,0510)
734.4	Ser, for phil.	2 6 3	92.816	(1.1602)
	Ser, for action	2 6.12	94.184	(1.1779)
	Ser, for gride, wholesale	2 7 6	98.552	(1.1914)
Dharwar, Bom.	Kacheba we, of 72 anda.	0 8 75	20.0	(0,2488
	Diaga, Equid measure, 12 are.		116.0	(1.4488)
Dewas, Malwa	Ser, of 36 Upain rupest	1.16.10	76.866	HE
West Control of	Man, of 64 mes		-PI.	1.6712
Dinder, Alexad	Ser, of 76 Ankusi m.	1:18 1A	72.765	(0.0096)
	Ser, of especity, 72 make	2 7 65	98.278	1 44 mg
Dungurpur.	Man, of 64 sers. Ser, of 52 Salisansi ps.	1 4 05	48 725	1.0136
resemblachar.	Man, of all ours			0.6090
Dakhan, Punc	Ser, 72 tonks or tolin (86 Ack, re.)		76.635	177
	Man, of the sales, for glio, etc	34 10 45		0.2004
	Man, of 14 for metals		201	9.8355
			Sec.	7.6740
	Man, of 48 . for grain	194 9 8	311	T.1494
Paifoe, Cor. Chi.	Pula of 124 , for iron, etc Man, of 45 , for grain Sume as in China. Ser, wholesale 119 st wt. + 1	1000		A 4 7 3
Farruklahad,			110:	(1.3625)
Agra	n retail 94 fa	-	34.	(1.1760)
Gereuli, Kaipi.	for spice, 92	3.35 (2)	52.	(1.0250)
Choulen, Ampi.	Ser, for all purposes		March Assessed	No. of the last of
Gog, Malahar.	Ser, for wholesale	129 5 5	82.638	
and and and	Khandi, of 20 mens	495 0 0	Anti	(1.5717)
Gamron, Persia.	Mon, Tubri (Tabrizi !)	6 19 0	262.400	5,0150 0 nP20
Control of the contro	Man, Shihi (= 2 Tahriri)	15 8 D	524,800	0.0820

¹ These are marked in Kelly 11 and 14 Farrethisleid Ckkh weight, which must be a mistake for 110, and, probable, 94.

Place.	Decimination of Weights.	Patter to En- erge mercella- pote metallic.	No. of Mand. are: Talds per no., 200.	Value of panta- ets, in Mess and decimals,
Gameso, Persia.	Man, Copes, the provisions	7127	700 s 301 440	0.0942
Hansut Bayligh.	Market see, of 56 Baroach ra	6 15 7	37.521	(0.4600)
	Oil man, of 42 west	40 B B	20	0.4925
	Perguma ser, of 281 Barmeh re-	0-15 11	39.120	(0.4766)
and make	at them, of 40 sers,	39 2 10	and .	(0.4768)
Haveri, Mad. Dode	Kachthi ser, for geocetics, 23 fre. District (for selling) = 12 sers	0 9 9	\$1.349	(0.2905)
Haidwalaid, Mail.	Pakks ser, for grow (87 cub in); Ser, of 86 Haidzelbid supon.	2 6 19	91.306	(L.1792)
Committee of the Commit	Kachelo mos, of 12 mrs	23 13 0	77.170	(0.9646) 0.2893
	Pulka of 40	79 6 0	275	0.9546
	Pale, of 120 test for selling,	238 2 0	414	2.608K
Inder, Malwa-	Ser, of 82 Ujjain ropes,	3 0 05	79.000	(1.0850)
	Man, of 20 min (for grain)		100	0.4925
	Mauni, of 12 mens	61 0 12		5,9096
Idlampur, Colp.	Ser (see Colpt)	3 0 12	70.400	(0,0040
	Pekki or	2 0 16	80.956	(1.0007)
January, Ale-	Her, commercial, of 60 Ankonica.	5 15 01	76,636	0.0680
madangue.	of espacity on 72 tanies, or	2 4 14	59.70章	(1.12)2
Lapan.	Man, of 64 pers.	147.40 0	311	1.7941
Jaulnah, Hyder.	Total (uses as China)	201. 1805 201. 151.5	1.025	1,6251
a country and and	Pakka act, of 80 ts. for grain	2 0 1	77.1/20	170
	Korhebb man, of 17 mes (the	26 2 1	HI.	0,9471
Inva-	got, liquids, etc.); messawe, See Betavia	39. 0 13	300	0.2922
Judda, Arab	Man, of 30 vakuat	2 3 9	50,400	0.0270
Jumbusur, Guj.	Heliar - 100 mans, or 10 fearth. Market set, of 40 Europh re	1 0 2	70 070	2.7099
and and a di	H Bon, of \$6 were	40 11 4	39,170	0,4408
	Cotton of 42 a	1 0 9	40.226	0.5163
Terretory Brown	Pergurens ser, of 407 Blaz. re	(Ference or	40,000	(0.5000)
Jungypur, Ben.	Ser, of 16 shbaraka.	1 9 0	28.408	(0.7301
Fankeeylon, La.	Holar - C) Ben for name	2.4.501	80	90
Kati, Abod.	Ser of 80 Ankast re.	1 15 0	70,638	(0.9580
4.57	or of exposity as 95 decembers.	2 5 K	91.146	1.1393
Kutali n	H == 100 day	2 7 63	95.779	(1.1972)
Kuta, Ajmir.	of 20 Keta ts.	0 12 0	29,166	(0.3646
	Man, of 40 sers. Seyn (mountry), of 564 Kota pace.	20 0 0	011	0.3640
Kurda, Gujeria.	Ser, of 80 Aukiesi rs.	2 2 2 2 2 2 2 2	76,689	(0.9590
	of capacity, 90 do.	2 2 7	86,208	(1.0776
Kumbharia, Sur	Mun, of 40 men, 8 pice	37 13 10	244	9, \$601
Colored And	# 7 m = 16 m	37 35 91	211	0.4615
Larkipar, Ben	Quinted, of 100 rottolas.	62 8 9	21.0	0.7500
Eukhnow, Only	Part and its neighbout Calmita. Ser, of 100 Linkings re	1 2 2 3	ne min	44 Vines
Macasar, Cele-	Tale, of 16 man - 614 grains			[1.1977
hus Is.	Pecul, of 160 catties	T35 10 0	34 112	1,6483
Madena.	Pageda weight = 52.56 gra		0.292	Table Code
	Man, of All acrs, or 8 vis.	25 0 0	24.304	0.3038
	Khusdi, of 20 mms.	500 6 6	- mi	8,0764
	Gazov, for grain = 12.8 mar.	338 6 0	100	3.8888

Plax.	Descrimation of Weight's.	Visites of Eng- 1981 respective puts weight	No. of stand- art Table per set, etc.	Velous of mana, every in Manager and documents.
Madras.	Padi, oil recessors — 6 allaks, or Parra, for change — 5 markils. Mangolin, for pearls — 6 grains.	ink.in.3750	Time.	Мара
Madari, Carn	18 Mad. shows to 50 Born, thown. Sur. of 80 Maduri, pugodis Man, of 80.244 sers.	0 16 4	24.913	0.3038
Malabov.	Poliss, of 8 Pondick rs. 1 kin Tuliss, of 40 sers	grs. 1694	9.022	Tet.
Maisses, Molay.	Carry, of 20 homeals, for gold Portl.—1000cm, extremof 16 teles Dahar, of 2 purels.	2 0 12	79.000	1.6407
Maids, Ben.	Kip, of the = 90 tempong.	6 6 0 40 11 0 2 9 0	100	5.494A (1.2456)
100	to 62 to (at Jelapir)	2 7 6 2 1 14 2 0 141		1.0292
Malwa, Central India.	Ser, of 84 flull model re	2 6 6 20 7 8	78.689	(0.4011)
Mangalor, Mal	Men. market, of 46 sees.	28 3 4 26 6 10	23.650	0.8419
Manilla, Phil. Is. Manuals, Red Sea. Manilputan, M.	for super = 40 mes for, of expectly = 64 floors re- signated weights and (Interpretal flooring of 12 values (4600 grs.) Tutam = 20 chambers	0 10 164	84,000 26,035 0,895	0.0070
	Kurhelia ur und uma, in Madria. Pakkā tiem — 40 serv of 2Ds. Ser, of 90 Madrias jugodas. 	80 0 0 0 9 0	27 342 21.875 20.163	(0.3418 9,9722 (0.2734 (0.3640
	Markil, grain measure, 12 sers. Guree, 4806	gells, 31 n 1250	20,230	air.
Manritius.	Top, of exper = 2000 French, st. proin and outre = 1400 m property = 1600	The 2160 1512 0 0 1950 0 0	177	26.2500 19.3750 13.1250
Mecha, Arab.	Men, of to vaking. Hahar—15 fractio, of 16 pages. Tomore, measure of rice.		126.660	9,8437 0,0492 5,4687 2,0417
Molercus, Mundissor, Mol	Guide, liquid messare — I gall. See Anthoyan and Banda. Ser, of 92 Shilmonhi re	2 5 75	88.946	0.2187
Maistr, Province. Nassuk, Akmed.	Man, of 15 sep (3)	1 35 4	23.850 37.030	0.4042 (0.2981 (0.9504
Natal, Sumutra.	Tompong, (Bonj. wt.) 20 extrica Cutty sotan (for do, and camphor)	40 0 0 4 0 0 En 586	95,918 155.553 3.244	0.9722
Negspatum, Car.	Sukat, grue measure-12 public Ser, of 8 pulture	rub, in, 4029 0 9 101	23,470	444
New Heobly, M., Doah.	Man, of 41,568 are. Kashsha ser — 202 Mmi. rs Pakka ser — 1061 ds	25 0 0 0 8 6 2 11 13	20,352 106,458	0.3038 [0.2594 [1.3311]

Pior.	Description of Vegton	Vetne to Bou- ties a-night and weight.	No. of mans and Schin per eer, etc.	Voter of When the House and Restorch.
Van Warte Back	Miles Committee 18	the on the	20ks	Same.
New Hookly, Doub, Nulye, Malwa.	Phara contains 12 sers		20,869	
during descript	Man, of 20 urs	1 15 10 24 5 8	W. W. J.	0.4800
Nolgand, Mol.	Kachchi ser - 204 Mal rs	0.5.81	20.756	(0.2592)
Doub.	Pakka ser - 110] M. m. 30. fc. i.	2 18 61	110.510	(1.8774)
Malesur, in Da-	Ser, of 38 Barechye	0.15 6	37.453	100
rm b	Man, of 40 sers	26 5 12	100	0.4655
	Pergunua ser, 200 Br. ex	1 0 21		(0.5918)
	Man, 40 sept	AD 6 13		0.3912
Smitward, Mal.	Ser, of #1 Sulimulii p.	1 15. 24	16.016	(0,04 kg)
	Man, of 28 sers.	24 10 8	1416	0.6612
Prove in Camera.	Man, of 40 to 44 1078	24 0 0	1000	0.3008
reining Ability	Hine, grain creasure		100	as The
Tjoin, Malwa	Ser, of 80 Upon ye	1 15 10	16,860	(0.9608)
	Man, of 161 ers		***	0.43064
make bear	Mani, of 12 mans	400 5 12	40.0	4.M000
Painfind, Würkt.	Man, of 49 new 8 pain Start.	44 1 1	100	0.5400
"slamkets, Car-	Tolam, of 100 paline, (Lama.)	42 8 6	101	0.1519
natio,	Padi, for metals	4.10 0	102.014	0.0000
Valimbang, Sum.	Marshaal, retail = 1 graft reves. Cutty, of 10 tales		40.00	
menunity cost	Bally, of 19 gustage	20, 1/41/4	52.745	0.0666
Palloda, Alamoi	Ser, of 75 Aug. vs. 103 mileton.	1.11 2	75,001	officers and a second
carried seminar	of taparity, 1033 Ank re.	8 9 13	99.195	(0.0480)
Contract to	Man, of the sare-	103 4 0	0.000	1.9859
'andri, Kalpi.	Bee	2 11 13	100.840	(1.0292)
l'anwari,	H Printer Complete Committee Committee	2 3 3	82,943	(1.0369)
Parmir, Ahand	an of 761 Ankoni re	1 34 24	75.296	0.0162)
	in of enquesty, 90 m. 7 m	2 5 2	90.238	(1.1279)
Potro, Dibir.	Tells, of All machine.	Ots. 200	1.101	101
	Ser, from 45 to 51, ch. wa		BO.	1.000
lege, Birma	Tiral, 100 to the ris.	grv 2371	1.368	474
	Khandi, 160 sin, reckessed at	960 0 0	-000	6,0764
0.000	Basket, ries mosener, 16 via		U000-	0.7045
Personal Company	Man of Shirts - 000 miscals.			0,1441
	Max of Tabriz, 300 day 1 and dights		240,630	0.0770
Automobile 145	Artaha, ourn memmers, 2 beachale	2000	27.3	
Pratupgarli, Aj-	Ser, of 30 Salimahi ex.		74.4967	N. Selbon
mir.	Man, of 20 next. Ser, of 214 Peo. is -7314 fam.	38 8 14	W. 250	0.4686
Pandicherry, Can	Men of a vis. is - card him.		29.632	2 21.40
	Man, of 8 via	25 14 5	SAE 1	0.3136
Penung.	Maley proud, of 100 cutties	Tate 400 Pm		1.2000
Leaning.	Bular, of it porels.	142 10 10/		1.7338
	Gentung measure, - 4 chapake	128 0 0	(44)	5.2013
Page.	See Doklan.	E00 W. 21 100		111
Quilon, Truy,	Olumba, or old Dutch pound	1 1 6	12.535	100
Service Live	Msu, of 25 old Dutch pound.	200 00 00		0.3228
	Tulian, of 100 pd. for cotton.	16 11 5.6	212	0.2029
	to for spices	14 9 7.1		0,1894
Kadoagor, Ben.	Sers of 62, 64, and 80 of wt.	100	60.	1.000
Annual Services	High for puth - 3 sees of 62		319.	(0.7750
Rahori, Ahmad.	Ser, of weight = 77 Aak rs	1 14 51	78,790	
	at espacity - IIol do	2 18 8	110,660	The street works
Bangoon	Ves of 100 thalk		140.	and the same
	Khamili, of 150 vis, reckened	550 B 0		8.0764
	Ten, we basked of rice = 16 viv	59 4 18	-10	0.7079

Poms.	Description of Wagins	Value of Fine- ies produce pair volute.	Ste. of stand- ard Tribe, just any etc.	Years of More- exist to Horse wast decimals.
Rambhuri, Ale	See, of 74 Aukuri ce.	D. or. dr. 1 13 29	70.901	Mairie. (0.8853)
modnagar.	Man, of 6t sees	100 to 8	97,750	1,9548
Rangypar, Ren.	Sero, of 60, 65, 75, 80, 90, and 460 tobic; the standard or		80.	+ 0.00
Rottom, Malwa	Mun, of 50 sees		76,680	1,000
Salanger, Maly.	Bulear, of 200 cutties	924 8 6	201	3.9374
Sankerteing, Car-	Ser, of 4 polane for previous. Man, of 41.250 nero	0 0 12 23 0 0	22,698	514
Santiput, Ben.	Serie, of 60, 80, 84, and 36 to-		dec	0,1038
Seringapataer	lier; also factory weights Kathalia so, of 24 milital re-	0. 9.10	23.096	1.000
	the street of 40 week concern	24 4 8	2001	0.2250
	Public ner, of grain; 84 Sol. re- kologs = 16 ers	2 1 161	10.001	0.4100
Siam.	Perul - on cattine of 20 takes	122 0 0	AH.	1.0077
Singapore, Malay.	Firmed, for gold	gre- 682	4.022	311
Sinkell, Humatra	Tempong of 20 cets for literation Pecal, etc. on in China.	5 8 6	30.110	441
Sala, Sanda	n as in China			
Summingles, III.	Mars, of AR, 10, 60, 72, 725, 75, and 84,10 toles; stand. oc.		50.	1,0000
Sues, Red Sex.	Gottolo, of 144 afroms	I 4 0	48.616	403
Sheat, Onjacot.	Title, of 12 mishes	grs. 167.9	1,040	To 2 1 1 1 1 1
	Non, of 40 wes	37 8 9	20,488	0.4558
Tellioberry, in	Sec. of 30 States expension or con-	0 6 25	29,849	(0.2481)
Malalur Termin, Muliare.	Purel, of 100 satties.	120 2 8.0	Con 1	1.0024
Tranquobur, Cor.	Man, see 65 the District	71 12 0 5	-	0,9088
Travazour, M.	Tulian, of 20 peersls Klandi (30 talam), for pareline	097 8 10	bee	0.2420 2.2618
	26 mans), for mic.	560 N U	Sec.	6,0000
Trichinopuly,	Parra, grain sowere Pukka ser, - 27 relians	1 14 6	74,182	201
Curnatio	Man, - 15 114 mgs	25 0 0	24.384	0.3038
	Ser, for metals = 4167.7 ges, Maraikki), gr. momare, i] gall.	v n el	23.167	(0.2866)
Trincomall,	Ser Colombo	15.50		
Vellor.	See Areas.			
Vizagapatam, Walishjabbal,	See Maraligations. See Arest.			

LINEAR MEASURES.

Notwithstanding the boast of Abú-'l-Fasl, that, among other beneficial effects of Akbar's administration, he had fixed one standard of linear measure for the whole of India, we find at the present day as great irregularity in this branch of our subject, as could have prevailed in his day, or rather much greater; on account of the semiintroduction of European measures in the British Indian territories, and in the Dutch and Portuguess softlements before them.

There is this poculiarity in the linear systems—that the basis of all is the same, the cubit or human fore-arm: and this unit is found in Oriental countries, as in those of the West, divided into two spans, and 24 finger's-broadths. Thus, under the Hinda princes, the hath (in Sanskrit hasts) was equal to two vitests or 'spans,' and to 24 anguls (anguls). The angul 'finger' is divided into 8 jau (s. yava) or 'barley-corns.'

The subdivisions of the years—proceeding downwards to the paraminus, or 'most minute atom,' according to the arithmetical works of
the Hindús—are, of course, theoretical refinements which it is unnecessary to notice: a full account will be found in Colobrooke's treatise in
the 'Asiatic Researchen:' [epitomised above, vol. i. page 211]. Proceeding upwards, four hithe or 'cubits' are equal to a danda, or
'staff:' and 2000 dandas make a livess, or kee, which should be, by
this estimation, 4000 yards English, or nearly 21 miles. The kos
is generally for convenience now called equal to two English miles.
Four kross — one yejosa, nearly ten miles. The 'Lilivati' also states
that 10 hiths make one hass or 'bamboo,' and 20 hass in length and
broadth — 1 mirange of grable land.

That the cubit was of the natural dimensions (of 18 inches, more or less) can hardly be doubted; indeed, where the kdth is talked of, to this day, among the natives, the natural human measure is both understood and practically used, as in taking the draft of water of a boat, etc. In many places also, both in Bengal and in South India, the English cubit has been adopted as of the same value as the native measure.

The gas, or yard, now in more general use throughout India, is of Muhammadun introduction: whether this is derived also from the cubit (for the Jewish cubit is of the same length) is doubtful; but, like the hasta, it was divided into 24 tasks, or 'digits,' corresponding more properly to inches.

Abu-'l-Fazl, in the 'Ayin-i Akbari,' gives a very full description of the various gaz in use under the emperors, as compared with the earlier standards of the Khalifs. He expresses their correct length in finger'sbreadths, which may be safely taken as three-quarters of an inch each.

For facility of reference, his list is here subjained, with the equivalents in English measure at this rate :-

ANCIENT DAY MEASURES ENUMERATED IN THE 'ATIN-I ARRARS.'

The Gar-mada of Haran-al-Rashid - 24f (some MSS, have 25f) fin-		Eng	dish,	
gers of an Abyseinian slave, the same used in the Nilometer of Egypt !	78	181	in.	
The Kasbah guz, of The Abililah - 14 Ingers	-	18	41	
The Yûsufi gaz, of Raghdid = 25	w	185	n.	
The small Hashemah gur's of Abd. Miles Asheri = 29\ lingers	100	214		
The long to it , Mansor Abbis = 29f	-	221	-91	
The Umriah gas of the Khalif Umr = 31		18]		
The Mamuniah gas of Mamun 'Abbist = 864		823		
The gaz Masahat		21	**	
Sikandar Lodi's gus of 414 silver Sikandaris' 1			-	
diameter, medited by Humby an to 43 " = 32 "	=	26		
This was used in land measurements till the 31st year of Akhar.			**	

The cubit of the Milmester is supposed to be the sense as that of the Jawa, which is exactly two feet English ... If we, the 24 digits will be precisely, inches. Volney, however, makes it 204 French, or 22 English inches. Some allowance must probably be made for the broad hand of a segre, but the other measures will not be effected by the same error, as they must be referred to the ordinary delitate hand of a native of Asia.

Them two ere also sailed the Goz Mulit and Ger Zikhinh, because Zild, the

adopted son of Abo Sellar, made use of them for measuring the Arabian Irak.

[Abo-L-Farl, is unfixing the various descriptions of pard-measures introduced at different times into Hindustan, makes incidental countilly of certain union designated Sikandaris—upon the basis of a given number of the distructors of which the Gaz of Sikandar Lodi was formed. The class of numey described ("Num. Chron."), evidently furnished, among their other num, the data for this singularly-defined measure. Any tyre in Indian numeroustedory, nodes whose eye many specimens of this mintage may chance to puse, record full to remark that, imperfect as their configuration uniforheally is, as compared with our modern machine-struck money, yet that they hold a high place among their follows in respect to their improved sircularity of form, and general uniformity of dramater—points which had certainly been loss regarded in the exciser produce of the Dehn mints.

The pumpe alluded to be to the following effect:—

سلطان سکندر لودي دار هندوستان ليز کري دار ميان آورد و آنرا چهل و یک ونیم اسکندری اندازه کرفت و آن مسین تقدیست گرد نقرهامبز جنت اشبانے نبع دیکر افزود بچھل و دو قرار کرفت "

With a view to make these come, even at the present day, contribute towards our knowledge of the true length of this Gaz-which is still a season questio, I have carefully measured a act of 42 of these parces, arranged in one continuous line; the result arrived at is, that the completion of the 50th inch of our measure. falls exactly apposite the centre of the 42ml coin.

The specimens selected for trial have not been packed, beyond the rejection of five

Page V Sie H. M. Ellier's MS. copy of the 'Ayin-i Aklari.' See also p. 355, vol. i., Gizdwin's translation.

English. The Akbari gur, for cloth measure = 46 fingers The Habi gaz, established by Alabar, as the sole The Akhari highis, of 3600 square gaz=2600 square yards=0.538, or concenhat more than half an size, on the above estimation.

The Hahi gaz of Akbar was intended to supersede the multiplicity of measures in use in the 16th century; and, in a great degree, it still maintains its position as the standard of the Upper Provinces. In general, however, different measures are employed in each trade, and the cloth-morehant, in particular, has a distinct gaz of his own. Thus the cloth gar has assimilated in many places to two hiths, or one yard; and the frequent employment of English tape-measures, as well as carpenter's two-first rules, will ere long confirm the adoption of the British standard to the exclusion of the native system, for the linear measure of articles in the barat.

The true length of the Ilahi gaz became a subject of realous invostigation by Mr. Nownbarn, Collector of Farrukhábád, and Major Holgson, Surveyor-General, in the year 1824, during the progress of the great revenue survey of the Western Provinces, when it was found to be the basis of all the records of land measurements and rents of Upper India. As might have been expected, no data could be found for fixing the standard of Akhar with perfect accuracy; but every comparison concurred in placing it between the limits of 30 and 35 English inches; and the great majority of sexual measures of land in Robilkhand, Dibli, A'gra, etc., brought it nearly to an average of 33 inches. Mr. Duncan, in the settlement of the Benáres province in 1795, has assumed 33.6 inches to the Hihl gar, on the authority, it may be presumed, of standards in existence in the city, making the bight - 3136 square yards.

The results of the different modes of determination resorted to in 1824-5, so characteristic of the rude but ingenious contrivances of the natives, are curious and worthy of being recorded. Maj. Hodgson made the length of the Hahi gaz-

very pulpibly were pieces one of the total 48 of Mr. Bayley's coins, which were placed at my disposal.

The return now obtained I should be disposed to look upon as a little below the original standard, notwithstanning that it slightly differs from the determination of the measure put forth by Princep; but I must add that Princep himself districted his own nuterials, and was evidently prepared to admit a higher rate than he entered in his leading table - E. T. J.

Should the length of this gar be taken at \$2 or \$3 inches, proportionate curvetions must be made in the other measures.

From the average measurement of 76 man's finger's-brendths	31.55	in.
Ages (said to be each a Shah-jahan) gas of 42 fingure?)	33.68	-
From the side of the macryole at the same place, called 24 gaz		
From the circuit of the whole terrare, \$32 gaz (?)	35,80	10
Mr. Newsham, from the average size of 14 Chiar-yari cupses, supposed to		
be each one tinger's-breadth, makes if		
From the testimony of inhabitants of Farrakhthad =	31.50	
From statement in the 'Ayis-i Akbari,' of the weight of the cubic gaz of 79 kinds of timber (this would require a knowledge of the weights)		
Halbel, from average measurement of 246 barley-coms	31,84	11
From 4 sum of diameters of 40 Manutri pice	32,02	14
From \$ of 4 human orbits measured on a string	35.70	11
From average of copper wires returned by Talmiddaes of Muradahad as counterparts of the actual measures from which their highla were		
formed represent terroremental activities activities activities and activities are activities and activities activ	33.60	*
Mr. Dunean, as above noticed, assessed the Tibbi gar at Beatres		
In Bareli, Bulanshalir, Agra, as in the following table, it is	82.5	41

It is natural to suppose that the gar adopted for measuring the land should vary on the side of excess, and probably all the above, thus derived, are too long. The Western Revenue Board, thinking so many discrepancies irreconcilable, suggested that the settlements should everywhere be made in the local bigha, the surveyors merely noting the actual value of the Itabi gas in each village, and entering the measurement also in seres; but the Government wisely determined rather to select a general standard, which should meet as far as possible the existing circumstances of the country. Thus the further prosecution of the theoretical question was abundoned, and an arbitrary value of the Ilahi gaz was assumed at 33 inches, which was in 1825-6 ordered to be introduced in all the revenue-survey records, with a note of the local variation therefrom on the village maps, as well as a memorandum of the measure, in English seres. Mr. Holt Mackenzia thus describes the convenience which the adoption of this standard (sanctioned at first only as an experiment and liable to reconsideration) would afford in comparisons with English measures :-

*Taking the jurech (side of the square height, a) at 60 guntelm, or 60 guz, the beeg, ha will be 3600 square guz, or 3025 square yards, or five-eighths of an English care (3 roads, 5 perchas). The jurech will be squal to 5 chains of 11 yards, each chain being 4 guntelm. In these places where the jurech is assumed at 64 gas square, it would equal 4‡ chains, giving 2450‡ square yards (or 2 roads, 10 perchas). In either case the conversion from one to another would be simple, and the connection between the operations of the surveyors and the measurements of the revenue officers would be easily perceived."

This convenient bighá of 3600 square Háhí gaz, or 3025 square yards, or five-eighths of an acre, may be now called the standard of the Upper Provinces. It is established also at Patna, and has been introduced in the settlements of the Ságar and Narbadda territorica.

The notice of land measurement seems altogether to have been overlooked in the returns from the Bengal revenue officers, to the Hon. Court's circular; so that, with the exception of the facts gleaned from the official correspondence above alluded to, and other information hastily acquired from private sources, the present table exhibits nearly a blank in regard to the bighas of Bengal Proper, Bihar, Cuttack, and Central India. Remaell's general estimate of the area of Bengal in bighas of 1600 square yards merely followed the necessare in use at Calcutta. The permanent actilement in these provinces left the land unmeasured, and obvisted the necessity of an actual survey. In general terms, however, the bigha of the Bengal provinces may be assumed at 1600 square yards, or about one-third of the English acre, and a little more than half of the up-country bigha.

In Madras, Sir T. Munro established a measure (called ground or main) of 60 × 40, or 2400 square feet, of which 24 make a kdm' = 57600 square feet, = 6400 square yards, or exactly four Bengal bighis. The Madras kdm' is to the English acre as 1 to 1.3223, or as 121 to 160 nearly. In the jagir, the soli or Malabar foot is used, which is 10.46 inches; 24 solis = 1 kdh, and 100 square kdhs = 1 kdm', or nearly so English acre. The common kdh', however, is 26 adies, or 223 feet, which makes the kdm' = 1 acre, 284 perches.

Of the land measures of the Bombay Presidency, Kelly's tables are altogether silent; but as the cubit and gaz are stated to correspond with 18 and 27 inches respectively, doubtless the square measure has also been brought to agree with some aliquot or multiple of the English acre.

It is much to be regretted that the information on this most important point should have proved so defective; but in justification of the officers to whom the Court's circular was addressed, it should be stated that the draft of instructions did not specifically allude to square measures, merely directing that 'for measures of length, one that is nearest to the cubit or ell, should be selected as the model to be sent home.'

Time of Linear and Square Measures of India

Triple	Denorthering.	Value in English erest.
Area Devaldence	Standard Hidd gas, seemed at	45 inches
of at a resemble	Standard tight of Western Provinces	NO MALELLA
	personal many or extended Absorbers	mint 1
	= 160 × 00 guz = 1,000 guz	Small Mile (Small)
A STATE	Dunil get varies from \$2.5 to \$3.05 av.	22.625 inches
Ahmudhbad	Goz, for cloth	27.70 -
	is a Yelvill incommendation	24.25
	m artifects	28.38
Aliensilangur	Harb of 14 assis	14.00
terronament and and	Gar, of 17 bith	NA 50
Cittorial.	Trans Mr. 5 h. 48 4	24.90
M. C.	y from 31.5 to 32.4	322.00
Money's	Cavid, or rabit	118,13
Ahraud.	KINA	327.12 11
Anjar	w of 34 take	26.46 H
Anrangabumber	H . H 16 garde annual instantantial	32.60
Bagullota	or on 24 feets are need to recommend	32.87 H
Bangalor	Warb = 10.4 km las	28.70
Bantani.	Hatt.	716.00
Daroh	Plan Some Will D. C. Will A	THE THE
Darred annum	Gaz, from 22.0 to 23.4	100 to
Haroda	of 31 toda	22-12 pr
Bugavia minore	Kill-977 Indies, Post	(12.30 m
Baulcan	Cubit for hother	18. 0
Benbrus	Gue, failer's	83. 0
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	clath-more hory's	37.5
	architect's (ministry)	07.0 II
	The state of the s	the total management of the
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Denovalen setel	Hallsh, or two robby	Dig raches
Betrational converse	Gas	(27. 11
Bombay	Hadke 18 Inches; the government	27 0
Bulandshakr	Gas (prightedly 23)	01.70
Harneh	Zil'a gas recontrel represe	327.85
Acres (1997)	Wint	189.6 accure inches-
	Highla 20 wast	Discoule 20 weeks
Trockies	15 De Philade	20 inches
amounted	Half gas, Shihi	Title 4
w 9	in in Dunidity manufacture and	IN B
Faurah	Aleppo yard	24.6
	Blag heldel	01.0
Calculta control	Block = 20 keetle of 16 elderthis	1600 square yards.
A-14-4	Kattha	750 up, fin4 = 80 up, yds.
	Uhlatik	40 m n = 1 n n
Cathon	Gas	19th it books
Karet	Treat and the second se	and means.
with amount	e = 16 giria	40 4
Camboy	Morgen of 600 square roads	-28 A
10000000	Mergen of 600 square reads present	32 English seros.
China	Mathematical fluid	13.12 inches
	Bailder's a	157 -
	Tailor's	15.88
	The tree I decree	NO THE WHAL
Chittigueg	200 for = 1 dogre	had done
Chinadand	Nol., or bambes, of 8 billio =	
(Muli fami asca-	Gunda, of (korrive 2 v 5 tals v	96 ng. yds.
sures)	Kint - 20 ginla - 12 - 10 mls	15520 sq. yds.
	Dun = 18 kinsis	29720 eq. yds. or 5,35 sere
	Shihi meusures, 4 times greater	Seldom used now.
Khrimbazaz	Hotels	10.12 Inches.
Dharwar	Hath, for cotton clothar	19.36
Transact terres		
Talking	Guz	132.75
Dihli		250ff eq. yels.
Etawa	Gag from 32 to 33	32 del inches.
Parrakhabad	Cloth gaz = 12 muts (pulms) = 48 augu	
	Hith, or subit = 24 angel or figure	3.9
	Land gur 101 mats or 42 fagers - 1	Dr. M.
		31%
	14 giriss on close, g. of his	1

Place.	Dresselantine.	Talur in Buglish meter.
Property States	Bight, of 20 blows - 38,00 Dibi gan	27364 supply yards
Cor.	Portuguese Covado	THE SEE SHICKER
Mark Cardinacions	The O'S LOW TO SELECTION A	26 7
Countries	Gaz, 92-100 English yards	30.7
Harrie	is of St taxes	147.14 H
Hireari	Cloth measure	34.76 H
Haidarabad	Cloth measure	85.83
Jugan.	Toe	75.0n
Jaalna	Gas	R3 6 H
Jambusus	a programme programme and	12.19
Jungle Mahali	Biglia, 80 a 80 hathe	totale acceptant more his franchis
A strate sections	Gaz, of two hither	and produced Assessed Report
Banenra	AND IN THE RELEASE	OR INDAM ROBBY.
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	Khei-24 mint	3.5215 acres
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Malacea	Kovid	18.15
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braten	The Assessment of the State of	the manufacture To
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Marrooti	Peck	22.0 inview.
Massipataco .	Yard	(24.25 · · · · · · · · ·
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or of these codes - code	Liberth with result in all N make	107.5 feet
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Dunward	in and management and an arrangement	my n7
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Patna	W an eachester from less as males	AN III
	Furth, the bankon of # gar	48.0° · · · · ·
	Jurito, 300 basishoos of 25 Exp	100 yards.
	Highle, 20 - katthie or hambers	moza square yards.
Persia	Guerre, regul	32 5 Inches
	Common makers	25.0
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aconiforms - 14	Titles as food the	in within 1990 County
*Constraint	Taing, or 1000 show	25 partie, 23st Anomy
Rangtpur.	Guz, for baffer slothe.	year inches,
Seringapatam.	Gajidi Voqek (2000 = Livagur)	29.6
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CHILDRICH HARY	A STREET, Hard to be the foregoing	
Sount	Carab, used at the fortwy	27.6
Sarat	Car, builder a	27.6
Said shiel	Gar, builder's	27.6 51.0
Saint	Gar, builder's Unr, brad, 31.3 to 27.7	27.6 11 0 25.4
Saint	Gar, builder's Unr, had, 3D 2 to EZ 7 Gar Devenue ben, of 50 katha —	17.6 17.0 25.4 10 fort 9 inches,
Said Mad Tallicherry	Gar, builder's Gar, hand, 31 3 to 27 5 Gar Gar Revenue hop, of 64 harbs — Blobbs, 20 - 20 hops	27.6 25.4 0 fort 9 jecture, 1900 square yards.
Said Mad Tallicherry	Gar, builder's Cor, band, 31 3 to 27 5 Gaz Revenue her, of 64 butto — Rightin, 20 = 20 lagte Speal lagt, or red, 61 hidden	27.6 25.1 0 fort 9 jurises, 1000 square yards.
Said Mad Tallicherry	Gar, builder's Cor, band, 31 3 to 27 5 Gaz Revenue her, of 64 butto — Rightin, 20 = 20 lagte Speal lagt, or red, 61 hidden	17.6 12.0 26.1 16.01 9 jurkes, 1000 agains yards, 9 feet \$1 jurkes,
Sarat Saidhhad Tallicherry	Gar, builder's Cor, band, 31 3 to 27 7 Gaz Revenue her, of 61 builder Righter, 20 - 20 herts Should lagt, or red, 61 builder Rights, 20 - 20 days	27.6 25.0 26.1 0 fort 9 jurkes, 1000 square yards, 9 fort 1) jurkes, 3900 jurgayare,
Said Mad Tallicherry	Gar, builder's Our, had, 31 3 to 27 5 Gaz Revenue hep, of 64 haths = Rights, 20 = 20 hats = Weeks, 20 = 20 deto = (In Champaren and Chapel, the legt or	27.6 25.0 26.1 0 fort 9 jurkes, 1000 square yards, 9 fort 1) jurkes, 3900 jurgayare,
Saint Sainthful Talliebury Tirliat	Gar, builder's Our, had, 31 3 to 27 7 Gaz Revenue hep, of 64 highs — Bights, 20 = 20 hous— Shull lagt, or red, 61 highs — Wights, 20 = 20 dero — (In Champarra and Chapes, the lagt or red is of 7 highs)	27.6 25.4 8 fort 9 jurkes, 1900 agains yards, 9 fort 1) inches, 3900 j agains yards.
Sarat Saidhhad Tallicherry	Gar, builder's Gar, hand, 3D 2 to TZ 7 Gar Revenue ber, of 64 builds = Rights, 20 - 20 bouts = Shull lagt, or red, 61 builds = Ugelys, 20 - 20 dero = (In Champagna and Chapes, the lagt or red in of 7 builds; Twin, for timber	27.6 27.0 29.1 20.10 perhes, 1000 square yards, 20.10 perhes, 20.10 square yards, 20.10 square yards.
Saint Sainthful Tellieberry Tirliat	Gar, builder's Gar, band, 31 3 to 37 7 Gar Gar Gree Revenue ben, of 64 builds = Rights, 20 = 20 bants = Should lagt, or red, 61 builds = Wights, 20 = 20 dero = (In Champaren red Chapes, the lagt or red in at 7 builds). Tuils, for timber Mura, of stone-cuttors.	27.6 27.0 29.1 3 fort 9 jurkes, 1000 agains yords, 9 fort 41 jurkes, 3900 2 square yords. 20.46 cabin inches, 33.02 (poles
Saint Sainthful Tellieberry Tirliat	Gar, builder's Gar, hand, 3D 2 to TZ 7 Gar Revenue ber, of 64 builds = Rights, 20 - 20 bouts = Shull lagt, or red, 61 builds = Ugelys, 20 - 20 dero = (In Champagna and Chapes, the lagt or red in of 7 builds; Twin, for timber	27.6 27.6 27.1

At most of the places omitted in the above table, each as Acheen, Arcot, Belári, Carwar, Ceylon, Cochin, Comercelly, Jangique, Bengal generally, Pennag, Hadnagor, Santipur, etc.; English measures alone are used, or at least a cubit founded on the English measure of 18 inches.

[The following notes are extracted from Elliot's 'Glossory,' already put under contribution (page 92):—

"The Risma, from ________ 'twenty,' is the twentieth part of a 'Borg, ha;' and besides being a measure of land, it also used to signify the extent of propertary right in on estate. Each estate or village is considered as integer of one 'Borg, ha,' which is subdivided into longinary linear and licenamens, to show the right of any particular party. Thus, the bolder of 5 Bissess is a belder to the extent of one-frutth of the entire village; precisely in the same way as the .fa was used amongst the Remons. Thus, here ar amounts, 'heir to one twenty-frusth'—Long or defrants, 'heir to the came manner for, bross, was used to express a bisses desper—'corina ex bess'—and thus in would and meaning (of course liner is no real estatetism) there is a close resembleme between the words. Its, when it was thus applied as a sub-devices of the .fa, was the eighth part of a Jugarous to any; took, as is causely supposed, rec-thirds—'l'arts done tertie poles decommerce millio et ducents becaut he is que scripala card.' [Colum. lib. v. cap. 2].

"Come, which the previous value has been much dispated, chiefly an amount of the difficulties which attend the determination of the exact length of the Gas, or yard. The "Ayenni-Abbarto" laye down distinctly that the Community of 100 mode (tuno), such series of 50 Gas, also of 400 poles (ton), such of 125 Gas; either of which will give to the Com the benefit of 0,000 Gas. The following particulars relative to the distances between the old Minuse, or Compillars, may be subcreating, and may be considered to afford the recrustrat means we have of insertinging the true shoulded.

3	nd Swaner in	Down distaurs
Minar button Nurship in Oothd Minar button Nurship and Shaporgathee Minar opposite Alorpose Minar opposite Struspose Euten of Minar opposite to Shallows	8,522 4,579	4,469 4,401 4,379 4,673 4,601
Average	4,658	4,467

Length of the Com - 2 miles, a Berlings, 168 yards.

It is important to observe that the length of the Habes Gur debucid from these measurements is \$2.500 inches, showing new very nearly correct is the length of 13 inches assumed by the British Government. The measurements taken to the south of Delhi, between the Minars in the Matter destrict, cleanly correspond. Out of twelve distances it is found that eight give 2 on 4 f. 19 p. 1 y., throughy 2 m. 4 f. 25 p. 3 y., and one gives 2 m. 4 f. 18 p. 2 y. If may be proper to concret that it is frequently supposed that the Minars are set up every two Cone, and that the Concretional 2,500 yards, but the "Ayomet-Akharos" appears sufficiently explicit on the point. The same work gives the values of the local Cose. It erry, the Output Cose is the greatest distance at which the ordinary lewing of a cow can be beard, which is determined to be 50 Turnelle, or 15,000 Gus." This Cose resembles the Chinese hit, i. s. the distance which can be attained by a man's voice exceed in a plane surface, and in ealm weather. Another is Bengal is estimated by phocking a green loof, and watking with it (II) it is day. Another is menured by a handred steps made by a weather enterprise a jor of water on her bond, and a child in her arms. All those are very indefinite classicals. The same may be remarked of the oriental Med, as well as the European mile, and hands of their value in different places proves that the mere name was berrowed, without any reference to its etymological signification. According to the "Kumoon," the oriental Med is a lax and regule measure, but it has been considered by Dr. Lee to be to the English one, as 139 to 112. The league also, from the Gyrman form, "so so," (signifying the distance that can be readily seen by the eye or a plane variated) is no indefinite as a Guzerzt, or Gao, and a Bengal, or Dhappen, Coso, and sufficiently accounts for its varying

standard in Europe. Cose is an Indian word: the equivalent word in Parsian is Kuroh, the same as the Sanserit Krosa, of which four go to the Yojan; about the precise value of which different equinous are hold. Bopp ("Naha," p. 213) cars it is equal to eight English miles. Professor Wilson ("Sanserst Dictionary," p. 689) estimates it at mine miles, and says other computations make it about five miles, or even no more than four pulses and a half, and, in his commentary on the Chinese travela, estimates it at me higher than four. For these travels enable us to fix the distance with tolerable procision. By following Fa-Hime's route between places of which the identity is beyond quoether, as between Muttra and Consuje, and between Plane and Bennres, we find the Yojan in his time to be as nearly as possible seven Haglish miles; and that agrees much better with what we find the Yojan to be, if we resolve it into its component parts. Eight burley-corns equal a larger, twenty-face diagons equal a Dund, one thousand Dunds equal on Krosa, and four Krosa, our Yojan. Now, estimating the finance's headth at eight burley-corns, this makes the Yojan equal to six miles, one handred and six yards, and two feet. It is the generally received assistant from Corn is derived the word 'course,' used by the European residents of India to represent a promonade, but the 'Corno' of Southern Europe gives a much more probable origin.

"Junears" When a rope. He directed it should be made of bankon with iron joints, as the rope was subject to the influence of the weather. In our survey measurements we are a shoin. A Jarrech reaction 60 Gaz, or 20 Gut, has, and, in the standard measurement of the Upper Provinces, is squal to five chains of 11 yards, such chain being equal to 5 Gut, hat, A square of one Jurech is a Beeg, ha. Till the new system of survey was established, it was usual to measure binds paying receive to Convergment with only 18 knots of the Jurech, which was effected by bringing two knots over the shoulder of the measurement with a water. Dent-tree land was measured with the entire I stook of 20 knots. A Jurech, in Hebrew and Arabin, signified originally only a measure of magazity, equal to 4 Quibos, or 204 Mud! (Latin, contine), and in course of time seems to signify the persion of land which required as much to sow it us a Jurech would contain.—(Assumb Leghat). The Pet, he and Nalco of Gurhwal and Kumason bare a smaller origin.

"Dunsens, " Will Search Per and a half. The word is found in Arithmetical Table of the Multiplication of Proctions, which are in constant as with our Surveying Appears, when reducing the a linear measurements to Brey, has. The words send by these in Francis and Multiplication are

Durcha,	खेवडा	د يوڙها	16	Prochs,	पीचा	بونجا	04
Dhumu,				Khorle,			
Honts,	होटा	هونشا	3)	Sutenchs,	सर्वाचा	Tanks	76
Dhougha,	धीचा	ددونها	41	-	4111.41	سوچا	**

The size of the fields muchy requires America to go beyond this "]

¹ [These words are both retained in the Spanish code and about. Indeed, nearly all the Spanish weights and measures are, like very energy administrative words, derived from the Archie — As the guinted of one hundred pounds, from kinter; of which the fourth (rivide) is the arredo; aeruide, a pound, from arrettl; xeno, a epan, from abound; and so on.—*Al Makkeri, i., p. 500.]

INDIAN

CHRONOLOGICAL TABLES.

The object of the present division of our work is to fornish-first, convenient Tables for the Beduction or Comparison of the various Kras in use throughout India; secondly, Tables of Ancient and Modern Dynasties, extracted from such sources as are available for India and the neighbouring countries. There are so many excellent works on these subjects as to leave us nothing more than the task of compilation or rather selection. For information regarding the astronomical and chronological computations of the Hindus, Colobrooke, Bentley, and Warren are the principal authorites. The 'Kala-Sankalita' of the latter author esotains the fullest perficulars of all the Eras in use. It is from this work that the present tables have been principally taken, with such shridgment as was necessary to bring them within the compass of an octave volume. Col. Warren's tables of the Hijra being in a less convenient form, we had remodelled them before it came to our knowledge that a complete series for every month of the Muhammadan ers, down to s.p. 1900, had been published in Calcutta, forty-four years ago, in 1790. These tables have, however, been long out of print. Playfair's Chronology, in folio, contains also a supplemental table of the Hijra calendar, copied from the celebrated French work, 'L'Art de vérifier les Dates. There are occasional differences of a day in all tables of the Hijra.

A compositions account of some of the Indian eras was printed as a part of the 'Companion to the Almanac' published by the Society for the Diffusion of Useful Knowledge, for the year 1830. The whole article, however, on the eras of ancient and modern times, is calculated to be of such great utility in this country, both to Europeans who are out of the reach of works of reference or chronology, and to native students of European literature and history, who have no prior acquaintance with the subject, that we make no spology for reprinting the paper entire, as an introduction to the tables which follow.

THE ERAS OF ANCIENT AND MODERN TIMES, AND OF VARIOUS COUNTRIES, EXPLAINED; WITH A VIEW TO THE COMPARISON OF THEIR RESPECTIVE DATES.

In the earliest stages of society, some division of time must have been necessary, and some resume deviced by men in the most savage state, to communicate to each other the period of undertaking, in concert, a hunt or a predatory excursion. But in such a condition the views of mon do not extend far, and very limited periods would therefore suffice. The division of day and night, and the marriely less obvious distinction of new and full moon, might have served to mark the lapse of time for new; and, although in all climates the observations of summer and winter, and of wet and dry periods, must have obtracled themselves on the feelings of the most anchorwing, it was probably not until the practice of agriculture had afferded men Inlance for reflection, that any accurate observations were made on the duration of the seasons, or mount used to assurtain the periods of their return. We see, at the present time, that many societies of mon, who live only by bunting and toking have no exact. knowledge of duration of time is youd that of a moon or ensem, and designate a term of five us of fifty years, equally as a long time. All agricultural nations are aware of the return of the same seasons after a larger of favoire or thirteen moons; but many years must have slaped before the length of a solar year was accurately determined. Loss civilized nations still continue to compute their time in part by the motions of the moon; and this was the made of the Greeks, and of the Ressaus until the correc-You of Julius Casar, but the subject was so little understand even in his time, that no orrer of several days crept into the Roman calendar more afterwards, requiring another reformation.

Is will reader the comparison of way much codes, if we give some account of what is menut by a colar and a lower year. A solar year is that space of time during which all the reasons have their course. This takes place in 365 days, 5 hours, 48 minutes, and 49 seconds; and an approximation to that time has been adopted by those entires which have had sufficient astronomical account to determine it. But as it would be impressicable to begin every new year at a different hour of the day, which would be necessary if the perfect year should always be completed before the commencement of a new one, 365 days have how taken as the length of a year, having the odd hours and calculus to accommists until they amount to a whole day, when they are added to the year, making what is called a loop year, or intercalary year, of 366 days. The various ways of doing this will be detailed when we speak of the different error. Some nations still use a year of 365 days without my intercalation; and this is called a cages, or errorle year, because its commencement varies through all the different seasons.

A linear year commists of 12 mount, or 354 days. This may be convenient enough for short periods, but is so ill adapted for the computation of a civilized antion, that none but Mahametans have continued in the use of it even for a little time. It suits the course of time so ill, that its commencement varies, in a few years, through all the seasons; and many men, amongst the nations which use it, con remember the fasts and festivals altering from successor to wheter, and again from winter to summer, and their seed-time and harvest alternately wandering from the beginning of the year to the end.

The limi-solar year is that in which the months are regulated according to the course of the moon, but to which from time to time a month is added, whenever the year would range too widely from its original situation. This year is inconvenient from its varying duration; but as, in a long course of years, the months remain nearly at the same situation, it is been objectiouslide than the pure loner year. It was the mode of computation of the Greeke and Romans, and is even now that of the Chinose, Tartars, Jupanese, and Juws.

All these varying modes conder the comparison of dates much more difficult than it appears to be at the first view. We shall embeavour so far to simplify the calculation as to emble any switten ticken to compute, within a day or two, the cras of every nation, and to reduce these to the Christian era.

THE BOWAY THAN.

The Roman year, in its arrangement and division, is that on which any year is satisfy founded. The Romans revisioned their time from the date which some of their anti-quaries chose to usign for the founding of Rome, viz., the 21st of April, in the 2nd year of the 6th Olympial, or 754 a.c. This era is designated by the letters A.U.C., or at unless condita, "from the building of the city." The first year used by them, and attributed to Romalus, received of ten months, from March to Dromber, or 304 days. A year schibiting such a discrepancy from the real course of the seasons could not have remained long in use, and is is supposed that extraordinary months were added as often so it was found measury. A correction is attributed to his successor Nursa, who is said to have added two months to the year, January at the beginning, and Pohruary at the end. All these months consisted of 29 or 31 days. The year was latter, and consequently shorter than the true year; saveral additions were therefore made, which brought the beginning of the year nearly to the same senson, ris,, the middle of winter. February subsequently because the second month, which change is alinded to by Orid.

This computation was followed, with some variation, arising partly from ignorance, and partly from the intrigues of the pricets, who had the direction of the calendar, until the time of Julius Cour, who, observing that the logisming of the year, instead of occurring in winter, as at first, had now recoded to the actumn, ordered that the year A.U.C. 707, or 47 ts.c., should metaled of 456 days, whereby the following year might begin at the proper time. In order to swoid, in future, the confusion naturally estendant on years of such varied brugth as those hitherto in use, he determined that the year should be solar, without my reference to the lunar motions. Supposing the natural year to comise of 365 days and 6 hours, he ordered that there years in massession should each counset of \$65 days, and the fourth should contain 366 days. He also allotted the respective number of days to each menth, precisely as we use to this. day. With the exception of July and August, (then called Quintilis and Scatilis, but altered to their present names in however of Julius and Augustos Capar), the names also of the Roman months were similar to core. The only difference between their calendar and ours was in their mode of rounting days, which was backwards instead of forwards. To spare a long explanation, which perhaps might not be sufficiently intelligible to all renders, we shall set down a House mooth, with the days, according to our mode, opposite to each Roman day.

En	glia	k. Roman,	Elaph	ich		Roman
Jan.		Calends.	Jan. 6		凼	before Idea.
	2	4th before nones.	1	7	th	ditto.
	2	3d before noma.	1 8	6	th	ditto.
		day before nones	. 5	5	dh	ditto.
	-5	Nones.	.10	1 1	th.	ditto

English, Bonan.	English Rosson.
Jan. 11 3d before Idea.	Jan. 22 11th bod. Cal. of Feb.
12 day disto.	23 10th ditto.
13 Ides.	24 9th ditto.
14 19th before Cal. of Fob.	25 8th ditto.
1/4 18th ditta	26 7th ditto:
16 17th ditto.	27 6th ditto.
17 16th ditto.	28 5th ditto.
18 16th ditto.	29 4th ditto.
19 14th ditta	30 3d disso.
20 11th ditto	34 day before Cal. Feb.
21 12th dirta	The state of the s

The nones and idea of March, May, July, and October, are two days later than in January, the nones falling on the 7th, and the idea on the 15th of these months; the 2nd of March will be therefore the 6th before the nones, and so on. In all the other months, the calends, nones, and idea hold the name places as in the month of January. In the months which have but 50 days, the number of days before the calends will, of course, be one law, and in February, three less. In loop years, the additional day was inserted in February, as in one calendar; but instead of making a 29th day, the 24th was reakoned twice, and being called in Latin serie Cel. Mart., (or sixth day before the calenda of March.) this, with the addition of his (twice), gave the name of biascriffs to the loop year, which it still extense. The first year reakoned on this principle was a leap year. (A.U.C. 705, or 46 n.c.)

Julius Come was killed once after the reformation of the calendar, and his plan was so little understood, that, instead of making the fourth year a bisecrific, a loop year was recknowl every third year, as though the length of the true year had been 360 days 8 hours. This green was discovered 37 years after, at which time thirteen intercalations had taken place instead of ten, and the year began three days too late. The calendar was associllarly again corrected, not by throwing out the three superfluors days at once, but by an order that the twelve following years should be all of 365 days cook, and that there should be so loop year until A.U.C. 760, or a.p. 7. From that time the acceptant has been kept without error, and the Homan year has been adopted by aimost all Christian notions, with so other variation than taking the birth of Christ as the commonweal, instead of the building of Reme.

If the given Remain year he has then 754, deduct it from 754; if the given Roman year he not less than 754, deduct 753 from it; the remainder gives the year (n.c. and a.u., is the first and second cases respectively) in which the Roman year commences.

THE SETRESAIS.

The Greeks computed their time by the celebrated era of the Olympiads, which date from the year 770 a.c., being the year in which Cocolous was encreasful at the Olympic games. This era differed from all others in being reckoned by periods of four years instead of single years. Each period of four years was called an Olympiad, and in marking a date, the year and Olympiad were both mentioned. The year was last-solar, of 12 or 13 mention. The names of the mention varied in the different states of Greece, but the Attic months are most usual. They are no follows.—

Hestimber, Metagritaien, Beedromien, Pyanepsion, Mermacherien, Puscideon,

Gamelion, Antheserion, Elaphebolion, Munychlen, Thurgelion, Seirophorion.

In the year of 13 months, the additional month was inserted after Poscideon, and called the second Poscideon.

The months consisted of 30 and 29 days alternately, and the short year in consequonce contained 354 days, while the intercalary year had 354. The third year of the first Olympial consisted of 12 months, and the first and fourth years of the second Olympiad were also intercalary; consequently in the first Olympiad there were 1,446 days, and in the second 1,476, making together 2,922, exactly equal to eight Julian years: this mode of internalation would therefore precisely bring about the commenoment of the ninth year to the same season, as that of the first year. But so the Olympic menths followed the course of the group, and 59 such months contained 2,9235 days, the moon was in semesquence a day and a half in advance of the rockining. The error was however, allowed to accumulate until it reached three days, which was in four Olympiads, or sixteen years, to the last of which three days were added. This corrected the errors with respect to the mosm, but it threw out the commemorarent of the year, as regarded the seasons, making it three days too late. No means were adopted to remedy this until the fortists Olympiad, the last year of which was made to consect of 12 months only, knotend of 13 as manal, and the includes Olympiad began with the same days of the coven and our as the first had done 100 years before. By this mekening, the year always bugon between the new and full more before or after the summer seletors, though more commandy after; and it conliqued in one until 432 a.c. or fourth year of the eighty-math Olympted, when the eyels of 18 years was invented by Moton. This astronomer found that the Attic. months no langer followed the center of the moon, but that the new moon nearest the summer solstice, which should have been the first day of the 87th Olymplad, would setually take place on the 13th day of Scirophorion, in the 4th year of the 86th Olympiad. He therefore proposed to commune the 87th Olympiad from that day, and to adopt a new system of intercelation. He supposed 255 moons to be exactly equal to 19 solar years, and that in every period of 19 years, the new and full moons would recur regularly at the same seasons. Nincirca years of 12 moons each would contain 228 moons, and consequently 7 moons were to be added. Them were inserted in the 3d, 5th, 8th, 11th, 13th, 16th, and 19 years. Instead also of making the months of 30 and 20 days alternately, he determined that each month should consist nominally of 30 days, but that every 63d day should be emitted in numbering. The third day of Bordromion, for example, was contrad in the first year, the 6th of Possideon, and so on to the end of the nineteenth year, when the last exceeptile day (the 3d of Thargelian) was retained, making that your to commet of 385 days. This cycle was in use above a century, but was not quite accurate; 19 solar years are equal to about 6,939 days, 14 hours and a half, and 205 lumstions to 6,839 days, 16 hours and a half, or 2 hours more. In the year \$50 a.c. this excess amounted to only 11 hours; but by the cycle of Meton, to above 52 hours, he having made 19 years equal to 6,946 days; when another astronomer, Calippus, having made several observations on the solution, calculated that the excess unde 1 day in 76 years. He, therefore, juvented the cycle of 76 years, called from him the Calippian, which consisted of 27,759 days, exactly equal to 76 Julian years, but above 14 hours in excess of the true solar year. In this period were included 940 lunations, equal to 27,758; days.

The system of Culippes began in the 8th year of the Metonic cycle (330 n.c.), and is frequently seferced to as a date by Ptolomy. It is supposed that he altered the periods of inserting the intervaluey meaths, but this is doubtful. The system of Culippes continued in use as long as the Olympiads were employed, and was exactly equal to the Julian, on an average of years.

To reduce the date by Olympials to our era, multiply the past Olympiad by fear, and said the odd years. Subtract the sum from 777 if before Christ, and subtract 776 from the sum if after Christ, the remainder will be the beginning of the given year; to decide on the exist day would be very difficult, on assemble of the alterations which the system has modernous. It will be, perhaps, artificient to observe that the year begins within a fertilized of the middle of July.

THE CHEDITAR ESA.

The Caristian ern, used by almost all Christian nations, dates from January 1st, in the middle of the fourth year of the 18ath Olympiad, in the 753rd of the building of Rome, and 4714th of the Julius period. It was first introduced in the sixth century, but was not very generally suppleyed for some evolution after.

The Christian year in its division follows startly the Roman year, consisting of 365 days for three annualve years, and of 366 in the fourth year, which is termed loop year. This correptation solutional for 1,000 years throughout Europe without attention, and is still used by the followers of the Grock Church; other Christians have adopted a slight alteration, which will be aboutly explained. The simplicity of this form has brought it into very general use, and is is commonary for extremomers and shromologists, in treating of unclose times, to date back in the same order from its commonsment. There is, no formantely, a little ambiguity on this bend, some persons recknowing the year immediately to fore the birth of Christ, as 1 n.c., and others noting it with 0, and the accord year before Christ with 1, making always one loss than those who use the form resetation. The first is the received most mode, and will be employed in all our computations.

The Christian year (or Julien year), erranged as we have shown, was 11' 11" too. long, amounting to a day in much 129 years, and towards the end of the sixteenth consury, the time of relabiliting the church festivale had advanced ten days beyond the periods fixed by the council of Nice in 32h. It was in consequence ordered, by a Bull of Gregory XIII., that the year 1682 should consist of 355 days only, which was effected by omitting ton days in the mouth of Detalter, via., from the fith to the 14th. Aml, to provent the reservance of a like irregularity, it was also ordered, that in three centuries out of four, the last year should be a seromon year, instead of a loap year, so it would have been by the Julian calendar. The year 1600 remained a cop year, but 1700, 1800, and 1900 were to be common years. This amended mode of computing was called the New Style, and was immediately edepted in all Catholic countries, while the Old Style continued to be employed by other Christians. Gradually the New Style was employed by Protestants also. The last ten days of 1699 were emitted by the Protestants of Germany, who, in consequence, began the year 1700 with the New Style; and in England the reformed calendar was adopted in the year 1752, by emitting eleven days, to which the difference between the styles then emounted. The alteration was effected in the month of September, the day which would have been the third being called the fourteenth. The Greeks and Resigns still use the Ohl Style.

To turn the Old Style to the New .-

From the alteration of style to the 27th February, 1700, add 10 days.

There will sometimes be a difference of one year in a date, from the circumstance that, in many countries, the time of beginning the year has varied. In England, until the year 1752, the year was considered to begin on the 25th of March; any date, therefore, from the Lat of Juneary to the 24th of March, will be a year too little. It had been the precision for many years proceeding the change of style to write both years, by way of obviouing mistakes, as 1st of February, 170% or 1707-8, meaning the year 1708 if begun in Jun, or 1707 if begun in March.

In some countries, Easter-day was the first day of the year, in others the let of March, and in others, again, Christmas-day; but no serials rule can be given, as even in the same nation different provinces followed a different custom. The day of the week is, however, frequently added in old dates, which will at once clear up the ambiguity, the day of the week asswering to any given date.

All nations, at present using either the Old or New Style bugin the year on the

lat of January.

The Creation has been adopted as an epoch by Christian and Jewish writers, and would have been found very convenient, by doing away with the difficulty and ambiguity of counting before and after any particular date, as is necessary when the ora begins at a later period. But, unfortunately, writers are not agreed as to the presiming of community. We consider the Greation as taking place 1994 years in a. . but there are about a humbred and farty different variations in this respect. The following are those that have been most generally used.—

THE REA OF CLUSTERSTINOPER.

In this era the Creation is placed 2505 years w.c. It was used by the Russians until the time of Peter the Great, and is still used in the Great Church. The civil year begins the first of September, and the emissionized towards the end of March the day is not exactly determined.

To reduce it to our ers, subtract \$500 years from Jamury to August and \$500

from September to the and.

REA OF ANTIOCH, AND REA OF ACCESANDRIA.

We place these together, because, although they differed at their formation by 10 years, they afterwards coincided. They were both much in use by the early Christian writers attached to the churches of Antioch and Alexandria. In the computation of Alexandria, the Creation was considered to be \$502 years before Christ, and, in consequence, the year 1 a.n. was equal to \$503. This computation continued to the year 284 a.n., which was called \$786. In the next year (285 a.n.), which should have been \$787, ten years were discarded, and the date became \$777. This is still used by the Abyseinisms.

The era of Antioch considered the Creation to be 5492 years before Christ; and therefore the year 285 a.o. was 5777. As this was equal to the date of Alexandria,

the two cras, from this time, were considered as one.

Dates of the Alexandrian era are reduced to the Christian era by subtracting \$502 until the year \$786, and after that time by subtracting \$492.

In the era of Antioch 5492 are always subtracted.

THE ADDRESSNIAN PRA-

The Abyssinians rockers their years from the Creation, which they place in the 5,493rd year before our ers, ton the 29th of August, Old Style; and their dates will consequently exceed ears by 6402 years and 125 days. They have 12 months of 30 days each, and 6 days added at the end, called Pagemen, from the Greek word traysperse, added. Another day is added at the end of every fourth year. To know which year is leap year, divide the date by 4, and if 5 remain, the year will be leap year. It always precedes the Julian loop year by one year and four mouths. The following are names of the mouths, with their beginnings referred to the Old Style:—

-
rth.
ili
1-
e.
Fr
runt

To reduce Abyssinian time to the Julian year, subtract 5492 years and 125 days.

The Abyssinian also not the ver of Martyre, or Discholan, with the same months in the above.

THE PRESIDE THAT

The Jews usually employed the era of the Sciencides such the discents century, when a new mode of computing was adopted by them. Some localst strongly on the antiquity of their present era; but it is generally believed not to be more ancient than the century above named.

They date from the Creation, which they combler to have been 3760 years and 3 months before the commencement of our era. Their year is luni-solar, consisting either of 12 or 13 months each, and each smooth of 29 or 30 days. The civil year commences with or immediately after the new moon following the equinox of autumn. The months, with the number of days in each, are no follows:—

1 Theri	30 days 29 or 30 29 or 39 29 30 29 And in interval	10 11 12	Jyer, or Zine Stran Thomsons Ab	29 days 30 20 30 29 30 29 30 29
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The month Vendar is omitted in yours of 12 months.

The average length of the year of 12 months is 354 days; but, by varying the length of Marchesvan and Chieles, it may consist of 353 or 355 days also. In the same manner, the year of 15 months may contain 282, 384, or 385 days. In 19 years, 12 years have 12 months each, and 7 years 13 months. The following table of 19 years will show the number of months in each year, as well as the first day of their year, reduced to the New Style: the first day will not always be quite accurate,

The Abysainians place the birth of Christ in the 5,500th year of the Creation, and consequently eight years after our eca.

as certain locky and unlocky days require the postponement of a day in some years. The year must be divided by 16, and the remainder will show the year of the cycle. If there be so remainder, it is the nineteenth year.

INT O	e THE	CHEEK.							MO	DETERMINENT.	ı
The	Ist	begins	about the	2nd	of	October,	and	consists	of	12	
	2ad	****	designature.	Tind	of	Septembe	ď			12	
	3rd			10th		. 11				13	
	4th	*****	-	25th		24	1911	*********		12	
	5th	Interests.	-	19th		24	Free		****	12	
	5th	*******		Sth		**			****	13	
	7th			27th		No.	1118	-		12	
	BEIL	Seas Line	entrament.	16th			rest	***********	-	13	
	Oth	let-year		£Ch	nf	Octaber				12	
- 3	Oth			36th	90	Septembe	T		-	12	
-	1th	*******		144h			habit.		445	19	
-	12th	nepadam.	**********	2md	44	October	-	***************************************	***	12	
	(3th	Attende		21st	of	Septembe	Ť		THE	1.2	
- 7	14th	(Creditor		1049		36	1000		****	13	
- 1	1.56%	inteller	MARKET PERSON	29th		20	- Andr	Chianana.	++16	33	
- 4	(64h	Dicherten.	APRIL PROPERTY.	184h		24	144	******	etel.	12	
- 1	(74b)	2174449	-	7th		-	***			13	
- 1	leth	******		29(0)		99	6.00			12	
	LOUIL	******	district the last	1 6th	M.		488	CONTRACTOR	LAKE!	18	

To reduce the Jewish time to mars, subtract \$703, and the remainder will show the year: the beginning of the year may be morrished by the above table, and the months must be counted from that time.

Example -Required the let of Chicken ASSE.

448A 378)	19)14×8(294
1807	378 871
	78
	- 4

The remainder shows the year 5588 to be the second of the cycle, and consequently to begin on the 22ml of September. The lat of Children will therefore be about the 20th of November, 1827.

The ecclesizatical year begins air months earlier, with the month of Niant. Conrequently, when the given year is ecclesiastical, deduct a year in the date from Nian to Elul, inclusive.

The Jews frequently in their dates leave out the thousands, which they indicate by placing the letters \$25 meaning [TOPETED " meserding to the lesser computation."

(If will be unnecessary to meation the various other spechs that have taken place from the Creation, as those detailed are the only ones that have been in general use.)

THE EEA OF NABONASSAR

received its name from that of a prime of Babyleo, under whose reign astronomical studies were much advanced in Chalden. The years are vague, containing 365 days each, without interculation. The first day of the era was Wednesday, 20th Pebruary, 747 p.c.

This is said, by mistake, to be Thursday, in 'L'Art de vérifier les Dates.'

To find the day of any Julian year on which the year of Nabonanaur begins, subtract the given year, if before Christ, from 748, and, if after Christ, add it to 747. Divide the result by 4, emitting fractions, and subtract the quotient from 57 (i.e. the number of days, from January 1 to February 26). If the quotient exceed 57, add 365 as often as necessary, before subtraction. The remainder will be the day of the year given. The first result before the division by 4, increased by a unit for each 365 added to 57, will be the year of Nabonassar then beginning.

The day of the week on which the year of Nahonassar begins may be known by dividing by 7. If there is no remainder, the day will be Tuesday; if there be a remainder, the day placed below it in the following table will be the day required.

As the above stated rule may be one day at error from the emission of fractions, it may be corrected by the help of this little table.

The year of Nationassar being given, to find when it begins.

Hule - Divide the year by 4: subtract the quotient from 57, adding 255, if necessary, as before; the remainder will be the number of days from the let of January.

The given year diminished as often as 265 has been added, will show the number of Julian years from 747 n.c. If it he loss than 748, soldract from that number, and the remainder will be the year before Christ: if equal, or more, subtract 747 from it, and the remainder will be the year ofter Christ.

THE DUTPTIAN ESA.

The old Egyptian year was identical with the era of Nahamasar, legioning on the 26th February, 747 a.m., and consisting of Mili days only. It was reformed thirty years before Christ, at which period the commencement of the year had arrived, by quationally recoiling, to the 29th August, which was determined to be in future the first day of the year. Their years and months extends exactly with those of the era of Divolection.

It appears from a calculation, that in 50 n.c., the year must have begun on the 31st of August; in which case we must suppose the reformation to have taking place eight years earlier: however that may be, it is contain that the 29th of August was the day adopted, and the number of the year one more than would have resulted from taking 747 as the communication of the era.

To reduce to the Christian era, sublemt 746 years 125 days.

The old Egyption you was in not for above a century after Christ; the reformed your being at first used only by the Alexandrians.

THE PULLAR PERSON

is a term of years produced by the multiplication of the launc cycle 19, solar cycle 28, and Roman indiction 15. It consists of 7000 years, and began 4713 years before our cm. It has been employed in computing time, to evoid the puzzling ambiguity attendant on reckoning any period autocodent to our cra, an advantage which it has in common with the numbers cras used at different times.

By subtracting 4713 from the Julius period, our year is found. If before Christ, subtract the Julius period from 4714

THE PEA OF DUCLESIAN CALLED ALSO THE THE OF MANTERS,

was much used by Christian writers until the introduction of the Christian era in the

sixth century, and is still employed by the Abyssizians and Copts. It dates from the day! when Dioclesian was proclaimed Emperer, at Chalcedon, 29th August, 284. It is called the Era of Martyre, from the persecution of the Christians in the reign of Dioclesian. The year consists of 365 days, with an additional day every fourth year. Divide the date by 4, and if 8 remain the year is bissertile. It contains 12 months of 36 days each, with five additional in remason years, and six in losp years.

The Coptic months are as follow, with the corresponding time according to the

Julian Calendar

Corne. ARCHIE. Thoth Tet. Ang. 29. Paophi Habe Sept. 28. Athyr Hatur Oct. 28. Cohiac Kyak Nov. 27. Tybi Tabs Dec. 27. Mesir Mashir Jan. 26.	Coeric. Phamesoth Bursmat Feb 25. Pharmont Barmule Merch 27. Purbona Bashum April 26. Payra Bashum May 26. Epiphi Abib June 24. Misseri Menkel July 25.
	management manufit, uly 20.

The additional days are called, by the moders Copts, Nini in common years, and Kebus in losp years; by the assist Copts Piabetakuji, and in Arabic Biabetanquji.

The Abyminian numes are given under the head of Abyminia.

To reduce the years of this era to those of the Christian, add 288 years 240 days.

When the Disclosion year is the year after leap year, it begins one day later than usual, and in communicate one day must be added to the Christian year, from the 29th August to the end of the following February.

THE SERVICE CAR, OR BUG OF THE SELECTION.

dates folds the reign of Salvarus Nicotor, \$11 years and 4 months before Christ. It was used in Syria for many years, and frequently by the Jawa until the 15th century, and by some Arabians to this day. The Syriam Greeks began their year about the dominant meant of September; other Syriam in October, and the Jows about the Automaal Equines. We shall not protect be great accuracy in this era, the opinions of authors being very various as to its respectivement.

It is used in the book of the Macrobers, and appears to have begun with Nisan. Their year was solar, and consisted of 365 days, with the addition of a day every fourth year.

To reduce it to our era, supposing it to begin 1st September, 212 a.c., subtract 311 years and four months.

The following are the months used by the Greeks and Syrians, with the corresponding Roman months.

	WATTHOUGH	STRAINS.
Elul	Gespieres	September.
l'ishria L	Hyperboretarus	Octuber.
Tideria II	Dim	November.
Conun I	Apellirus	Deermler.
Comm II.	Andrews	January.
Shubat	Periling	February.
Adar	Dystrus	March.
	Xantient	April
	Artemisins	May.
Hasiran	Denius	June.
Tamus	Paternet	July.
Ab.,	Laus	August.

¹ Dioclosian was not in reality proclaimed until some months after this time.

THE DEATH OF ALEXANDER THE CREAT

dates from the 12th of November, 324 m.c., on which day the 425th year of Nabonessar began. This era was computed by years of 365 days, with a losp year of 366 every four years, like the Julius year. The months were of 30 days each, with 5 additional. To compute it, deduct 373 from the given year, and the remainder will be the year of the Christian era. If before Christ deduct the year from 324.

THE REA OF TIME

began the 19th of October, 125 u.c., with the mouth Hyperburstance. The mouths were the same as those used in the Grecian era. The year is similar to the Julian.

To reduce it to our era, subtract 124; and if the given year be less than 125, deduct is from 125, and the remainder will be the year before Christ.

THE CESABRAN ERA OF ANTIOCH

was used, in Syria, by Grocks and Syrians. The months are the same as those given under the Grecius ora. The Grocks began with Corplans, in the year 49 a.c., and the Syrians with Tishrin I of 45 a.c.

THE ERA OF ABBAHAN

is used by Eusebies, and begins the fut of October, 2016 a.c. To reduce this to the Christian era, subtract 2016 years 2 questles, and the remainder will be the year and mouth.

THE SPANISH REA, OR ERA OF THE CARAGO.

is reckoned from let of January, 35 years m.c., being the year following the conquest of Spain by Augustus; is was zoned used in Africa, Spain, and the South of France By a Synod held in 1180, its one was abeliabed in all the churches dependent on Receions. Pedro IV. of Arragon abeliabed the use of it in his dominious in 1850 John I. of Castile did the same to 1882. It rectioned to be used in Pertugal until 1450.

The months and days of this era are identical with those of the Julian Calendar; and, consequently, to turn then time into that of our era, we have only to subtract 28 from the year. Thus the Spanish year 750 is equal to the Julian 712. If the year be before the Christian era, subtract it from 32

THE BIA OF VEIDBUILD III. OR THE PERSIAN BOA.

was formerly universally adopted in Persia, and is still used by the Parsen in India, and by the Araba, in certain computations. This era began to the 16th of June, a.n. 632. The year consisted of 360 days only, and therefore its commencement, like that of the old Egyptian and Armenian year, anticipated the Julian year by one day in every four years. This difference amounted to nearly 112 days in the year 1075, when it was reformed by Jalahelin, who ordered that in future the Persian year should receive an additional day whenever it should appear necessary to purpose the commencement of the following year, that it might occur on the day of the sun's passing the same degree of the selliptic. This took place generally once in four years; but,

¹ This would be more accurately 223 a.c., but the above date is more usually adopted.

after seven or eight intercalations, it was postponed for a year. It will be observed that such an arrangement must be perfect, and that this calendar could never require reformation; but it has the inconvenience of making it very difficult to determine beforehand the length of any given year, as well as that of causing a difference occasionally in the computation of persons living under different meridians; those living towards the cust semetimes beginning their year a day after others more westwardly situate; the sun rising in the old sign to those in the former nituation, who consequently continued in the old year another day; while the others, having their sun rise in the new sign, began a new year. The present practice of the Parsons in India varies in different provinces, some beginning the year in September, and others in October. The months are se follows: they have each thirty days, and the intercalation of five or six days occurs at the end of Aham.

Verwardin, Merdad, Ader,
Ardibehiaht, Sheriur, Dei,
Khundad, Meher, Behmen,
Tir, Aban, Ispendarmen.

To reduce this era to the Christian year, add 650 to the given year, and the sum will be the year of our eve in which the year begins, according to the practice of the Parsons.

Every day of the Persian month has a different name.

THE EGA OF THE ABMENTANT.

The Armenians began their ore on Turning, the 5th of July, a.c. 652. Their year consists of 365 days only, and therefore untiripates the Julian one day in every four years.

To know the day of the week on which the Armenian year begins, divide the year by 7; If there be no remainder, the year begins on a Manday; if there is a remainder,

the day put under it in this table will be the first of the year,

To reduce the Armenian year to the Julian, divide the given date by 4, and subtract the quotient from 191, adding 365 to 191 if movemary; the remainder will be the days from the beginning of the Julian year, and the Armenian date (diminished by 1, if 365 has been added to 191) added to 361, will give the Christian year.

The Armenian reciminatical year begins so the 11th of August, and has an additional day at the end of every fourth year; and consequently coincides in division

with the Julian year.

To reduce exclusivation! Armenian years to our time, add 551 years and 222 days. In leap years, subtract one day from March 1 to August 10.

Norm.—The Armenians frequently use the old Julian style and months in their correspondence with Europeans.

THE PRENCH REPOLUTIONARY CALENDAR,

In the year 1792, the French nation, in their excessive desire to change all existing institutions, determined on the adoption of a new calendar, founded on philosophical principles. But as they were analyse to produce any plan more accurate and convenient than that which was previously in use, they were contented to follow the old plan under a different name, merely changing some of the minor details and subdivisions, and commencing the year at a different time. The first year of the can of the Republic began on the 22nd of September, 1792, w.s., the day of the autumnal equinor. There were twolve mouths in each year of thirty days each, and five additional days at the cod, colebrated as festivals. The fourth year was a loop year, called by the French on Olympic year. The months and additional festivals were as follow.—

WHITE COMPANY AND ADDRESS OF THE PARTY OF TH	
Vendémiairo began 22 Sep. Brumaire 22 Oct. Frimairo 21 Nov. Nívôse 21 Dec. Pigvidee 20 Jan. Ventôno 19 Fals. Fostival of Virtue, 17 Sep.	Greminal began 21 March. Florest
, Genius, 18 m	n Rowards, 21 m

In Olympic years, from the 11th Venther (which was on the 25th of February) to the end of the year, each day messered to one day cartier than in other years; thus Germinal began on the 20th of Mazelu.

The months were divided into decades of her days each, instead of works. These

were the names of their days.

Primidi,	Quintidi,	Octobia
Duedi.	Sextists.	Novidi,
Tridi,	Similal.	Dreadi.
Observations	44.7	

As this plus lasted as short a time, it will take loss square to insert a table of years corresponding with the Christian era, then in give a rule for the deduction of one era from another.

	1799-3	714		1799-1800
2	1798-4	100	9	1800 1801
	1794 6		10	1901-2
4	1794-8	-0.0	11	1802-3
5	1796-7		12	1808-4
-6	1797-8	2	9.3	1604-5
7	1796-0	1	14	1805-6

THE HAROMETAN HEA, OH HAN OF THE HEIGHAN,

dates from the flight of Mahorest to Medina, which took place in the night of Thursday, the 16th July, a.z. 622. The era reserve men the following day, via the 16th July. Many chronologists have computed this era from the 15th of July, but Cantomir has given examples, proving that, in seed, envient times, the 16th was the first day of the era; and now there can be no question that such is the practice of Mahometaes. The year is purely lover, consisting of twelve months, each month commoneing with the appearance of the new moon, without any interculation to bring the commencement of the year to the same sensor. It is obvious that, by such an arrangement, every year will begin much earlier in the season than the preceding, being now in summer, and, in the source of sixteen years, to the winter. Such a mode of rackoning, so much at variance with the order of nature, could scarcely have been in use beyond the pasteral and semi-burbureus nation, by whom it was adopted, without the powerful aid of faraticism; and even that has not been able to prevent the use of other methods by learned men in their competations, and by governments in the collection of revenue. It will also be remarked that, so the Mahousetana begin each month with the appearance of the new more, a few cloudy days might retard the commencement of a mouth, making the preceding menth longer than small. This, in

fact, is the case, and two parts of the same country will sometimes differ a day in consequence; although the clear skies of those countries where Idamies prevails, rarely occasion much inconvenience on this head. But is choosing and history, so well as in all documents, they are mustin of thirty and twenty-nine days, alternately, waking the year thus to consist of 35s days, eleven times in thirty years, one day is added to the last month, making 255 days in that year. Consequently, the average length of a year is taken at 25s, days, the twelfth of which is 29, differing from the true impation very tittle more than there accords, which will not amount to a day in less than 2250 years, a degree of cractness which could not have been attained without long continued observations.

The interchary year of 355 days occurs on the second, lifth, seventh, tenth, thirteenth, afficienth, eighteenth, twenty-first, twenty-fourth, twenty-sixth, and twenty-ninth years of every thirty years. Any year being given, to know whether it be intercalary or not, divide by thirty, and if either of the above numbers remain, the year will be one of 358 days.

The names of the months, as used by the Turks, with the length of each, are as follow: -

Moharym,	10	Begeb	30
Sapliar	29	Blahes or our outperson norm	
Rabin I	30.	- Banudan quantuminiment	
Rabin II.	29	Showali	
Jonathi L.	30	Dhe'l kadah	
Jenathi II	29	Dhu'l hallshammen	

And in interrulary 30 days.

They have week of seven days, named as follow :-

	TORES.	PERSONAL PROPERTY.	WHITE PR	APO ABARDO	MOD. ABARTO,
Bu	Paper gun	Yebbanhi	Diwat	Breal	You shad.
M.	Panar erted	Dushande	Pair or Somwar	Babus	You Thena.
Tu.	Sale	Sistante	Mangal	Jelur	You talta.
W.	Charshande	Charchands	Bedinner	Dalar	You with.
Th.	Pershambe	Panjahamba	Jument comes	Personance	You lams.
F.	Jums	Juneor Adina.	June	Aruba	Juma.
Sa.	June ertesi	Shoobe or Hafts	Suswocher	Shiyar	Babt

THE CHIRESE,

like all the nations of the north-cast of Asia, recken thats time by cycles of 60 years; instead of numbering them as we do, they give a different name to every year in the cycle. As all these nations follow the same system, we shall detail it have more particularly. They have two series of weeds, one of ten, and the other of twelve words; a combination of the first words in both orders is the name of the first year; the next in each series are taken for the second year; and so to the tenth; in the eleventh year, the series of ten being enhanced, they begin again with the first, combining it with the eleventh of the second series; in the twelfth year, the second word of the first series is combined with the twelfth of the second; for the thirteenth year, the combination of the third word of the first with the first of the second list is taken, that list also being now enhanced. To make this clearer, we shall designate

the series of ten by the Raman betters, that of twelve by the italies, and the whole cycle of 60 will stand thus.

1	8 4	16 f d 17 g s 18 h f 10 i g 20 k h 21 s i 22 h h 23 e f 24 d m 25 e s 26 f d 27 g s 30 k f	21 a g 22 b b 23 c : 24 d A 25 c I 26 f m 37 d a 38 b b 38 b c 40 b d 41 a r 42 b f 43 c g 44 d A	45 1 4
2	b &	17 2 4	25 b A	47 E I
8	0.0	18 E /	33 c s	48 h m
4	11 1	19 i e	34 4 4	49 1 a
- 6	0.0	20 k A	25 e I	50 k &
- 6	11	21 s v	36 f m	51 4 4
7	24	22 h A	37 g a	52 h d
8	h h	23 € /	38 h h	58 0 0
	4.7	24 d w	10 fr	54 A F
10	N. Ar	25 E H	40 k d	55 6 0
11	u f	20 f A	41 4 5	56 I A
12	h as .	27 w e	42 5 /	57 E L
14	0.0	28 h 4	43 c.e	58 h. #
14	4.5	29 1 /	44 4 1	59 3 4
13	a b c d a f y b i b i b a b a b a d a	30 1/	45 0 6	46 f & 1 48 49 1 48 49 1 4 4 4 5 5 5 4 4 4 5 5 5 5 5 6 5 6 5 6 6 6 6

The series of 10 is designated in Chem by the same of term kas, or calestial eiges. Their names are -1, kits; 2, yih; 3, ping; 4, ting; 5, woo; 6, ks; 7, kang; 9, sin; 9, jin; 10, kwey.

The series of 12 are the horary characters, and are named techs, terrestrial signs. Their names are -1, toze; Z. chew; X. yin; 4, seess; 6, shin; 8, sas; 7, wow;

8, way 9, shin ; 10, yew; 11, and; 12, har.

These characters being substituted for their equivelent letters in the cycle, will show the Chinese name of every year; for example, kin true in the first year; hang vin, the 27th.

The Chinese months are locar, of 29 and 30 days such. Their years have ordinarily 12 months, but a thirtograph is added whenever there are two new moons while the sun is one sign of the Zediac. This will occur seven times in

nitritorn years.

The boasted knowledge of the Chinese in setrenewy has not been sufficient to enable thou to compute their time correctly. In 1290 a.p., the Arab Jonaloddin composed a calondar for them, which remained in use suffi the time of the Josait Adam School, who was the director of their calendar until 1664. It then constand for five years in the hands of the natives, who so decauged it, that when it was again submitted to the direction of the Christians, it was found necessary to expange a month to being the commencement of the year to the proper scarce. It has since that time been almost constantly under the curv of Christians.

The first cycle, according to the Rossish Missionaries, began February 2307 a.c.! We are now, therefore, in the 71st cycle, the 27th of which will begin in 1830. To find out the Chinese those, multiply the aclipsed cycle by 60, and add the odd years; then, if the time beliefers Christ, subtract the sum from 2898; but if after Christ, subtract 2897 from it; the remainder will be the year required.

The Chinese frequently date from the year of the reigning serrorign, and in that case there is no way of leaving the corresponding date but by a list of Emperors. We subjoin a list of those who have reigned for the last two contactes.

¹ Dr. Morrison carries it back to the 61st year of Hwang-te, 2696 n.c., making the present year to fall in the 74th cycle; but, according to the celebrated historian Choo-foo-ture, Hwang-te reigned about 2760 a.c., making 75‡ cycles from that period, which is, probably more correct than either of the above entennests.

TABRAR DENASTY.

He-camp began to reign a.b	1616.		
Chwung-les	1627.		
Shan-che	1644		
Kang-he	1662.		
Yang-ching	1723.		
Keen-leng management and the second			
Ken-king	1796.		
Taou-kwang	1821,	DUT	Emperor.

THE JAPANESSE

have a cycle of 60 years, like that of the Chinese, formed by a combination of words of two series. The series of ten is formed of the memor of the elements, of which the Japanese reckus five, doubled by the addition of the masculine and feminine endings, je and to:

3 56	The same of the sa		
1 2	kino-je kino-ta,	wood.	The series of 12 is made up of the signs of the Zoding.
1	fino-je fino-te-	tre.	E con, car. E terre, tiger. 4 ov. hare.
8	fautana-je, tautana-to,	meth.	8 tata, dragon. 6 mi, erryout.
7.8	kanna-ja, kanna-ta) month.	7 coma, horse. 8 taltame, absop. 9 taz, wpc. 1.0 town, bon.
9	midmo-je, midmo-je,	water	11 in, dog. 12 y, bog.

By substituting these words for the letters in the cycle, under the head of China, the Japanese memor are found. Thus, the first year of the cycle is called kino-je ne, the 25th, toutone-je in, and so on. The cycles coincide with those of the Chinese; but a name is given to them instead of numbering them. Their years begin in Vebruary, and are last-solar, of 12 and 13 months, with the interculation as before nontinued under the head of China. The first cycle is said to begin 660 a.c.; but this cannot be correct, naless some alteration has taken place, as the Chinese cycle then began 667 a.c. We know, however, too little of Japan to pronounce positively respecting it; but thus far it is certain, that the cycle now coincides with that of the Chinese.

To an article of this nature, it may not be thought superfluous to append a slight notice of the manner in which some of the absriginal tribes of America reckowed their time, before its discovery by the natives of Europe. The science of astronomy some to have advanced there to a much greater extent than is commonly imagined. The extraordinary accuracy of the Mexicons in their computations, surpassing that of the Europeans of their time, cannot be accounted for otherwise than by the supposition that they had derived it from some people more civilized than themselves, and would appear incredible, if not well extended by Spanish authors of the effects contany, as well as by many histoglyphic almanner yet remaining, of undoubted antiquity. The Peruviane and Muystas had larger years of great accuracy also; but this is less surprising, as the phases of the mean are emissionally visible to the eye, and their returns frequent. We shall detail that of the Mexicons only.

The year of the Mexicans consisted of \$65 days; it was composed of eightnen

months of twenty days each, and five additional, called armonical, or youl. At the end of a cycle of lifty-two years, thirteen days were added; and at the end of another cycle, twelve days, and so on alternately, making an addition of twenty-live days in 104 years. This made the mean year to consist of \$65 days, 5 hours, 46 minutes, 9 \frac{1}{15} townds, being only 2 30 \frac{15}{15} shorter than the truth. As the wanton distruction of the Mexican measurement and hieroglyphic records by their cruck and harbarous conquerors has left little to study, and the extermination of the Mexicans of superior order has done away with their system, we shall not detail the names of their months and particulars of their cycles, which affect working coincidence with those of the Tartars, Japonese, etc. We shall only add that their first syste began in the month of January, A.B. 1096.

INDIAN CHRONOLOGY.

Having completed, in the foregoing extract, a general and condensed account of the crus in use among other nations, we proceed to enter a little more into detail upon the peculiar chronological systems of the natives of India, drawing our information chiefly from Col. Warren's 'Kala Sankalita.'

There are a great variety of eras in use in different parts of India, but all may be classified under four general hoods, according to the mode of expressing or of subdividing the year; and in this way it is proposed to notice them: namely, first, those which are founded on the sidereal divisions of the months; secondly, those which follow the intricate and psculiar luni-solar computations; thirdly, those reckaned by cycles, and in which the years are generally distinguished by names, a system which spread from India into Tilet, and was long before used in China and Japan; and fourthly, those derived assentially from the Muhammadan era, though they have since followed the ordinary reckening of the country. The Hijts era itself is also universally employed by the Musalmins of India, but there will be no occasion to add to the description already given of this purely lanar year.

The present section will be confined to an account of the construction of the year by each system; the modes of comparison and the application of the tables being reserved for separate explanation.

L-SOLAR OR SIDEREAL YEAR,

The Hindu Solar Year, as it is improperly called, is strictly sidereal; it contains that space of time during which the sun, departing from a given star, returns to the same in his apparent revolution through the zodise. In the most ancient period of their astronomy, before the introduction of the solar redisc, the pandits placed the beginning of the year at the entrance of the sun into Aswini, the first of the twenty-seven Nakshatrus, or mansions of the fixed lunar redisc. The solar redisc was afterwards formed from the lunar one, about the year 1181 s.c. according to Bentley; the names of the months being taken from those of the lunar mansions in which the moon happened to be full in the year of its invention.

Bentley supposes that a lunar cycle, or luni-solar period, was about the same time discovered, there having been 3056 lunations in 247 years and one month, which caused the initial month of the year to change its name every 247 years; the first had been A'swina, the second became Kartika, etc., so that the date of an ancient author's writing may be roughly ascertained, should be happen to mention the name of the commencing month of the year. The following is a useful table of these lunar periods, which lasted until the year 538 a.p.⁴

ratiose,	8864E- 17)	and year	COLNTIDERS.	
1 2 3 5 6 7 8	I Sept. 1192 s.c., 1 Oct. 945 29 27 Nov. 451 23 Doc. 104 23 Jag. 44 a.c 21 Pob. 201 22 Mar. 438 g	1 Aprina	Chaitra. Vaisakka. Jymhtha. P. Ashidha. Satubhisha. Batubhisha. Bitalirapada. Aywini.	

The adeption of the fixed sidereal radiac of twelve signs is ascribed by Bentley with telerable certainty (from the position of the equinoctial colure and the minimum errors of the 'Brahma-Siddhanta' tables) to this latter epoch; whence Vaisakha has continued to be the initial menth of the solar year to the present time. This month corresponds with the sign Mesha or Aries of the fixed solar Hindó coliptic."

The Hindús divide the year into six sensons /ritu/, of two sidereal months such, the succession of which is always the same; but the vicissitudes of climate in them will depend on the position of the equinoctial colure.

¹ Bentley supposes the former name of this month, Marganirsha, to have been changed at this period, to denote its now communing the year.

According to the Hindu authorities, the year in which the reduce was adjusted, or when the solar and sidereal redian agreed, and there was no con-i seaded or precession, was in 969, a.p.

It is necessary to allede to this lense division to show how Veighkha name eventually to be the first month of the solar year.

Table I.—The order and names in the Sanskrit, Hindi, and Tamil languages, of the signs, months, and lunar mannions.

SEASONS.	61195	NAMES OF BOTTOS		109% NAMES OF BOO		ef.	Spectains or Ligar Simplicity as lives nor responded to 100 k.C.
		Suppl.	Test.	Deril.	1	fanskrji,	
	H H	Chaitra,	Chait,	Program.	81.	ia Chaltes.	
1. Yasanta,	Mina 1 Y Mesha	Yaighkin,	Bulshkh	Cimitran,		U Valetkin. U Aportiki	
45.00	Vristin.	Jyshthe,	Jul.	Vyamel,	N.	ii Spraidha. ii Nevil. ii Purra Astarta.	
2, Grahma,	J. II Mithoga	Ashidles,	Artistic	Ami,	a	cabligin offerential struct costs.	
2000	Norketa.	Schrieb	Sawa,	Amit,	-	il freriotha.	
3. Varska,	Sinhi.	Hiddra.	Bhiston,	Asveni,	V.	in facalitietia. in P. Biratrapala. in T. Biratrapata.	
1000	Kaurh.	Kywisa,	Aue,	Parstan,	1	SF Breat.	
4. Surada,	Tulk	Kicuka.	Kartis,	Arpest	da.	A Kriting	
5. Hemanta,	Vrishlika.	or agreements	Aghes.	Mortins.		i Mrigatina.	
a. Limaton,	Dhanus	Pausius,	Pas.	Margally	IL.	2 Panterone. 2 Pantipe. 2 Artistia.	
6. Sipira,	Molura.	Mágha,	Migh,	Tyo,	1	10 Magtin, 13 P. Punigast,	
a diposit	Samples.	Philguna,	Phigu.,	Meeni	Bit.	to U. Pletiguel.	

The Hindús employ the several following modes of considering the duration of the day:

 The Sdess, or natural day, is the time between two consecutive sun-risings; therefore, this day is of variable duration. Its subdivisions are 60 diates, of 60 readiles, of 60 repulse.

2. The Saura, or solar day, is the time during which the sun describes one degree of the soliptic; consequently, longer or shorter as the sun is near the apogue or perigee: it is divided into 60 dandas (or kalas) of 60 vikalas each.

3. The National day is the true sidereal day, being the time between the same point of the celiptic rising twice. These are equal throughout the year, and are used in all computations. They are divided into ghar's and pulse (called eighthies in the south), following always the same convenient exagesimal division. The pulse is again divided into six presses or 'respirations'; but the 'Sarya-Siddhanta' and all astronomical works centimes the subdivision by 60 throughout, thus:—

```
60 locas = 1 loca.
60 locas = 1 sciencha.
60 nimenhas = 1 kietha.
60 locathas = 1 stipula.
60 atipulas = 1 ripula = 0.4 recent, English.
60 cipulas = 1 pula = 24 ... ...
60 pulas = 1 dondo = 24 minutes ...
60 dondo = 1 ripula = 1 day and night.
60 donar = 1 ripula remana.
```

t. The lunar day, or title, is the 30th part of a lunation, and will be spoken of hereafter: it is used in astrological reckening.

The division into weeks is also used, and the names of the days are derived from the planets, in precisely the same order as those of Europe.

Table II .- Days of the week, with their squenyms in some other languages.

EXCLUSION.	81890	COUNTRY.	THE PERSON	STREET,
Sunday Monday Turnlay Walanday Thursday Prolay Saturday Katurday	Subre-chr Sunisher, or) Sani-var.	Bri-da Na du-da Ang-palanaya-da Bra-has-pa-ting-dil Ni-ku-ru-di Sema-au-rh-di ivez in Piculan, Hond	" be sende: " be sende: " bym.ye."	Cha-nd.

Rach month contains as many days and parts of a day as the sun endures in each sign; the evel differing from the extrenomical account only from its rejecting fractions of days; each civil year and month being accounted to begin at search, instead of at the exact time of the sun's entrance into the respective signs on the strict astronomical computation. If the fraction earneds 30 ghort (half a Hindú day), then the civil year or month is accounted to begin one day later than the astronomical.

The portion of time assigned to each month further depends on the difference of time calculated for the passage of the sun through the northern and southern signs of the celliptic, the time for the former being 180d. 21h. 38m. 24s., and for the latter, 178d. 8h. 34m. 6s.; the odd hours and minutes of which are applied to the beginnings of the year and months. The effect on civil reckoning is to produce differences in the relative lengths of the menths of one or even two days more, or one day less, and to bring about a bissextile year of 366 days, as nearly as possible once in four years.

The unfixed lengths of the civil months renders it impossible to find the precise day corresponding to any other era, excepting by having recourse to a calculation of the day of the work on which the Hindú civil month in question commenced, which, however, with the aid of the tables provided in Warren's excellent work from the brahmanical formulæ, becomes a very simple problem. The order of the days having remained invariable since they first received their names, if any duration of years be multiplied by the mean length of the year, and the result in days be divided by seven, the remainder will necessarily show the day of the week (counting from the spech or initial day), on which the period terminates.

Tables of roots, or moments at which particular epochs commence, such as centuries, will serve to facilitate this calculation, which, in fact, renders the system of the Hinda year more simple in expounding than these of the West, which are liable to secular variations.

A table of reets, as they are called, may in like manner be prepared for the durations of the months singly and collectively, so that by simple addition (rejecting accessely found. The dominical letter furnishes the same means of finding the day for any European date, and any two approximate dates may be thus brought to correspond precisely by the intervention of the weekly ferial. Further explanation and examples of this process will be found in the pages of Calendrio Scales, which we shall presently introduce for the purpose of simplifying the transposition of dates from one calendar to another.

It is impossible to enter into further particulars of the formation of the Hindú year without considerable knowledge of their astronomy; but it may be as well to state, that all the calculations of their books depend upon the hypothesis of four grand periods, comprising together 4,320,000,000 years, called a 'Mahá-Yug,' or great epoch of the con-

junction of the planets in the beginning of the Hindu sydiac.

The four divisions of the 'Mahá-Yug' are called the 'Satya-yug,' the 'Tretá-yug,' the 'Dwapara-yug,' and the 'Kali-yug,' which latter commenced in March 3102 a.c., and is still current. All astronomical calculations start from this epoch, using the mean motions prescribed, which, by the nature of the system, are all whole numbers, although they vary in different authors, as the progress of observation suggested corrections. The three principal systems are set forth in the 'Brabma-' 'Surya-' and 'A'rya-' 'Siddhántas,' which Beatley has proved to have been framed respectively about the years 538, 1068, and 1822, A.D. The year by the 'Surya-Siddhánta 'consists of 365d, 15g, 31v, 31p, 24s., and by the 'A'rya-Siddhánta,' 365d, 15g, 31v, 15p., which, expressed

¹ This, for the commencement of the Rah-yug, is Friday in the Surya-Siddhanta. In the speeks used in the "Arya-Siddhanta," it is Sunday.

in the European method, will be 365d. 6h. 12m. 36s. 34f.; and 365d. 6h. 12m. 36s. respectively. The latter is employed in the south of India: it differs from the Gregorian reckening one day in sixty years, the amount of the equinectial procession. The following table gives a general view of the planetary system according to the above authorities, and that of the 'Parasara-Siddhinta,' another authority supposed by Bentley to be nearly coveral with that of Aya Bhut.

TABLE III .- General view of the different Hindu Planetary Systems.

Barnin- tinns of	Hestern-Hillsforts.	Mayor Middle No."	· Jeys-Millions.	Persona dell'alla.
The moon The moon Moreury Venus Mars Jupiter Satart Equinoxes. No. of days	57,763,500,000 17,036,008,004 7,022,389,492 9,296,828,522 364,226,453 146,667,398	364,229,000 146,665,000 696,000	146,669,000	57,753,834,114 17,937,055,474 7,092,379,148 2,306,883,037 564,219,054 146,571,618 681,700
Apsides Bun Moon Mercury Venus Jupites Saturn	486,105,653 882 883 290 834	\$85,203,000 \$86 \$56 204 900 59	481,168,674 239 558 220 510 310	556 526 327 982
Nodes, (re- trograde) Moon Mercury. Venus Mars Jupiter. Saturn	239,511,164 511 893 947 69	252,238,000 488 903 21.4 17.4 663		282,813,235 648 893 245 190 630
Revolution	s of the Rishis in u	a cardaniwa apicyclo,	1,599,998	1,699,998

To find the number of lunstiers, deduct the sun's revolutions from those of the moon, the remainder is the number sought. The mean annual motion of a planet is found by dividing its revolutions by 4,320,000,000, and their mean places at any epoch of the Kali-Yug (k)by the common rule of three, as, 4,320,000,000: revolutions in a Mahakalpa: k: even revolutions and fraction, the latter to be converted into longitude on the Hindó ecliptic.

REAS DEPENDENT OF THE SOLAR TEAR.

The Hinda solar or sidereal year is used in India, south of the Nar-

bada, in Bombay, in Bengal, in Tirhût, and Nipál. The two principal eras in use are: 1. The Kali-Yug, dated, as before stated, from the equinox of March, 3102 s.c.; 2. The 'Sāka,' dating from the birth of Sālivāhana, a mythological prince of the Dakhan, who opposed Vikramāditya, the Rāja of Ujjāyini.

This era, called 'Saka,' (a word of the same import,) commences on the 1st Baisakh, \$179, x.v., which fell on Monday, 14th March, 78, A.D. Julian style. Several other styles seem to be connected in origin with it:

The Bali year is = 81 k.n. = 8182 k.v.

The Benguli San, and the Villagutt year of Orino, etc., will be hereafter montioned under the fourth division.

H .- HINDU LUNI-SOLAR YEAR.

The circumstances of the Indian luni-solar year differ from every other mode of dividing and recording time that has been employed in socient or modern times. Some similarity had been remarked, in the secular emission of a month, to the Chaldean system; and, at a particular period, the common intercolations concurred with those of the lunar cycle of Meton, which led the learned to imagine them derived from the same source; but Warren has proved from a minute analysis of the Hindé 'Chandra-Mana,' that it has no further similitude to other systems than its dependence on the moon's motions must naturally induce.

The ordinary year, called 'Samvat-sara,' or 'mana,' is divided into twelve lunar mouths; so intercalsry mouth [called in Sanskrit adhika valge, 'lound') being supplied, on a particular principle, once in about three years.

The year commences at the true instant of conjunction of the sun and upon: that is, on the new moon which immediately procedes the commencement of the solar year: falling somewhere therefore within the 30 or 31 days of the solar menth Chait (Chaira). The day of conjunction (awareseys) is the last day of the expired month: the first of the new month being the day after conjunction.

Although the initial element of the year is thus determinate, there are two medes of reckoning the month. In the south of India they begin contemporaneously with the year, on the conjunction (andersyd), and run through the 30 days in two divisions of about 15 days, called suche or sukles pakake, and brickers or bakules pakake, the light and the dark shalf, or wax and wane, of the moon.

The 'Vrihaspati-Mána,' however, which is derived from the 'Súrya-Siddhánta,' and is followed throughout Hindústán and Telingana, makes the months commence with the full moon (pársassá) preceding the last conjunction; so that new-year's day always falls in the middle of the lunar month Chait, and the year begins with the last pakaka, or light-half of that month.'

The lunar mouths are in all cases named from the solar month in which the analogous, or 'conjunction' happens, so that when two new moons fall within one solar month, (for example, on the 1st and on the 30th days,) the name of the corresponding lunar month is repeated, the year being then interestary, or containing 13 months. The two months of the same name are distinguished by the terms of hike 'added,' and nije, 'proper' or 'ordinary.'

By the 'Surya-Siddhanta' system, the intercalated month takes its place in the middle of the natural month; that is, of the four pakakas, 1, bedi, 1, sudi, 2, badi, 2, sudi,—the first badi and second sudi balong to the natural month, and the first sudi and second badi to the intercalated month. The Tamil account makes the first month of the two

the intercalated one.

It happens once within each term of 100 years, that there is no new moon in some one of the last six lunar months, which, from the sun being in perigee, as before explained, contain only 30 and 29 days each. On these occasions the month of that name is expanged; but it always happens that two others is the same year are for the opposite cause repeated in such years.

The common intercalary year is called athika-samuat-sura; the double intercalary, with its expunged month, kahaya-samuat-sara.

The lunar month, whatever may be its civil duration, is divided into 30 tithis, or lunar days, which are subject to similar rules regarding interculation and omission. When two tithis end in the same solar day, the intermediate one is struck out of the calendar, and called a behayatithis; when no tithis begins or ends in a salar day, the tithi is repeated on two successive solar days, and the first is called adhike. When a tithi begins before or at sunrise, it belongs to the solar day about to begin; when after sunrise, it is coupled with the next solar day, provided it does not end in the same day; in which case, it would be expunged out of the column of tithis, as before explained.

To render this singular mode of computation more perplexing, although the tithis are computed according to apparent time, yet they are

registered in civil time.

¹ Hence has doubtless arisen the variance in the names of the Tamil and Bengal months, the former being in name one mouth behind the others: (See the table of their solar year, page 150).

It is usual, however, to make account of the days in the semi-lunar periods, by the common civil reclaming, beginning (as with the years) after the completion of each druraal period; thus, the day on which the full moon occurs is the Sade 14th or 15th, and the following day is the 1st Badi. It is like our reckoning of the sun's place in the zodiac (0°, + 10°, etc. 1°, + 10°, etc.), and is evidently better adapted for computations than where the current day or year is the one expressed by the figure.

The circumstance of expunging a title happens, on an average, once in 64 days; so that in one year it recurs five or six times. When a tithi is repeated twice it is called trading: one tithe is equal to 0.984

of a day, or 64 tither=63 days nearly.

To understand the nature of this singular disposition of time, a diagram of an entire lunar month has been inserted in the page containing the scale for the comparison of the luni-solar year, the month selected being the intervalsted, or adhiks, Chaitra of the 4924th lunisolar year of the Kali-yog, (a.a. 1822-3) a year in which Davis had ascertained that there would be a believe month, and two intercalaries. Warren's book contains the calendar for the whole year in question.

To that work we must refer for the complete solution of the problem of its construction for all cases that may present themselves, wherein perfect accuracy is requisite. The rates which we shall give hereofter will be found sufficient to bring out the result to within a day or two of the corresponding Hinda solar year, and to even closer accordance with the Caristian year, in which the days are not liable to the same variations inter w. The elements required for working it out thus far, on the supposition of the sun and mean both maintaining a mean rate of motion in their course, are few, and may mostly be determined from the tables in the present epitome. They are:

t. The sun's mean place in the Hiadu ecliptic, and the skeleton of the colar months, formed therefrom, to show the disposition of the civil

and sidereal days.

2. Also the moon's mean place in the ecliptic, which is found from the Akargana, or sum of days expired from the commencement of the Kali yag to the beginning of the proposed lunar year: it is necessary for obtaining the epochs of the mean conjunctions, during the your in-

question.

3. The Suta-Dina, or day of the week on which the initial conjunction falls. The two latter elements are given for every year of the last three conturies in the second General Table. For periods anterior to 1600, they may be found by adding the secular Abarganas for the broken period, to the root for the neurest epoch, contained in a separate table (VIII.) prepared for the purpose, from the data of the

'Súrya-Siddhánta.' Taking, then, the scheme of the corresponding solar year, and placing the two skeletons thus formed, in juxtaposition, the eye will at once tell what months or days will become subject to the rules of kibiya or adhika, 'expunging' or 'duplication': an example of the process will be given hereafter, in explaining a luni-solar scale contrived for working out the problem by simple inspection.

The place of the sun's and moon's spoges, the equinoctial precession, and the obliquity of the ecliptic, etc., are necessary for the true computation of the lanar days; but this degree of accuracy is beyond

our present purpose.

The elements of the solar system (see page 153), would indeed furnish even these data, were it requisite; but the several equations of the sun's and moon's motions, and the gnomonic problem to convert the determinations, made for Lanké, to other situations on the globe, would call for a thorough acquaintence with the astronomic system of the Bréhmans. Where an English sphemeris is accessible, the construction of the Hindú lunar month may readily be effected for any given lunation from the times of new and full moon, corrected for the longitude of the place: it may be remembered, as a general rule, that the first day of every Hindú luni-solar month falls on the day following the new moon; and that it procedes by two days the initial feria (as it is called) of the Muhammadon lunar month, selden diverging from this arrangement more than one day on either side: this is, of course, without reference to the names of the months, as those of the Hijra are continually gaining upon the others.

ERAS DEPENDENT ON THE EVAL-SOLAR TRAS.

THE OF TERRESPIETA

The principal era to which the buni-solar system is exclusively adapted is that of Vikraméditya, called Samvet, or valgarly Sumbat. The prince from whom it was named was of the Tukr dynasty, and is supposed to have reigned at Ujjein (Ujjeyini) 135 years before Salivabana, the rival founder of the Saka era, south of the Narbada (Narmada) river. The Samvat era commenced when 3044 years of the Kali-yag had expired; i.e. 57 years a.e., so that if any year, say 4925, of the Kali-yag be proposed, and the last expired year of Vikraméditya be required, subtract 3044 therefrom, and the result, 1881, is the year sought. To convert Samvat into Christian years, subtract 57; unless they are less than 58, in which case, deduct the amount from 58, and the result will be the date a.c.

The era of Vikramāditya is in general use throughout Telingana and Hindústán, properly so called; it is less used, although known, in Bengal, Tirhūt, and Nipál; and, according to Warren, is nearly unknown in the peninsula. The luni-solar division of the year, however, is necessarily adapted to other eras, conjunctively with the solar division, because akmost all the festivals and religious observances of the Hindus and Buddhists depend upon the Chandra-mains or lunar reckening. There can, therefore, be hardly said to be any eras exclusively solar, although the Samvat is exclusively luni-solar.

THE BALADEL AND RIVA-SINHA ERAS.

The Balabhi em is mentioned by Tod as occurring in an inscription found at Someath, and from its locality and connection with the Samvat, it must have been of the same construction, merely dating from a newly assumed epoch, which is shown in the 'Annals of Rajasthan,' to correspond with \$75 of Vikramiditys, or \$18 a.n. Balabhi was destroyed in \$02 Samvat, when it may be presumed the era was discontinued.

A third era, called the 'Siva-Sinha Samvat,' is also noticed by the same author as having been established by the Gohils in the island of Dec: its epoch or zero corresponds with 1100 Vikramiditya Samvat (1112 a.p.)

The Faeli (vulgarly, Fusice or Fusiy) year, of Upper India, also follows the Samvat division, as being the system in vogue where it was introduced: this will be alluded to again under the fourth head.

III .- YEARS NUMBERED BY CYCLES.

ERR OF PARASCRAMA.

This division of time Warren states to be used in that part of the peninsula of India, called Malaysia by the natives, extending from Mangalor, through the provinces of Malabar, Cotiote, and Travancore, to Cape Comorin. It derives its name from a prince who is supposed to have reigned 1176 years a.c., the epoch being 7th August, 3537 Julian Period, or 1925 Kali-yug. This era is reskoned in cyles of 1000 years. The year itself is solar, or rather sidereal, and commences when the sun enters the sign Kanya (Virgo), answering to the solar month Asan (Aswina). The commencement of the 977th year of the 3rd cycle concurs with the 1st Aswina of 1723 Sáka, and 14th Sept. a.p. 1800.

THE GRAHAPARIVARITY CYCLE OF PINETY TEARS.

The southern inhabitants of the peninsula of India use a cycle of ninety years, which is little known, according to Warren, in the Karnatak. This cycle was analyzed by the Portaguese missionary Boschi, while resident for forty years in Madara. The native astronomers there say it is constructed of the sum of the products in days of 15 revolutions of Mars, 22 of Mercury, 11 of Jupiter, 5 of Venus, 29 of Saturn, and 1 of the Sun.

The epoch of this cycle occurs on the expiration of the 3078th year of the Kali-yeg, in 24 s.c. The years follow the ordinary solar or sidereal reckening. The concurrent cycle and year for any European year may readily be found by adding 24 and dividing by 90: thus 1830 a.p. = 1881-18 = 20 cycles, 54 years.

THE VEHIASPATI-CHARRA, OR 'CYCLE OF JUPITER.'

The cycle of Jupiter is supposed by many to be one of the most ancient modes of reckoning time, not only in India, but in Asia generally; but we shall show presently, that with regard to the former country, at least, it is most probably of comparatively modern introduction. It has been, however, known from time immemorial in China, where it partakes of the same peculiarity as on the continent of India, of having separate names for each year of the cycle; but these names are curiously compounded of two series of twelve and five names in the Chinese system, as has been fully explained in page 146, whereas, in India the series of single appellations continues through the sixty years.

The origin of the Vribaspati-Chakra is unknown: it has been imagined by some to be the some as the Chaldean Socos, but, Warren thinks, without foundation. It is mentioned to the 'Sôrya-Siddhánta,' and other works, and is constructed on astronomical principles, although its genuine application in reference to Jupiter's revolutions has long since fallen into disuse in the south of India, as well as in China and Tibet; and this circumstance will furnish a class to ascertain the epoch of its introduction into these countries; but we must first describe the different systems followed.

There are three rules for computing the years of the Jovian cycle: 1, that of the 'Surya-Siddhanta,' followed in this part of India; 2, that of the 'Jyotistava'; 3, that of the Telingas, followed in the south.

According to the first, Jupiter's revolutions being 364,220,000 in a 'Mahá-yug' (see the table in page 153); his motion in one solar year coincides very nearly with one sign of the nodine (1° 00° 21′ 4″). The actual time, therefore, of the planet's passing through one rediscal sign (which is called a year of Jupiter) is, as 30° 21′ 04″; 365d. 15g. 31p.: 30°; 361d. 2g. 5p., the true duration of the Chakra year. The difference, or four days and thirteen glarie short of the solar year, will in eighty-six years amount to a whole year; so that, to keep the cycle in

accordance with the planet's heliocentric motion, one year must be expunged in that period of time.

To find the current year of the cycle on this principle for any year of the 'Kali-yug' (say the beginning of 4870 x.v.) we have—

As 432,000 solar years to 36,422 remolations of Jupiter, so 4870 to 410 cov. 7 signs, 2½0; the odd signs and degrees give his longitude, which requires a small correction, or bij. Then multiplying 410 by 12, and deviding by 60, we have 92 sychologist 7 years: the latter to be counted always from the 27th of the syste, or Fijaya, gives the 33rd year, or Fiberi.

2nd Method. The 'Jystistava' rule expounds the last year expired of the cycle, setting out from the Saka epoch, and reckoning from Prablems, as the first of the cycle. The rule is as follows:—

Note down the Saka year in two places. Multiply one of them by 22, and add 4291 to the product. Divide by 1876.) Add the integers of the quotient to the 2nd number noted down, and divide by 68. The remainder will show the last your expired from Problems. The fraction left by the divisor, 1875, may be reduced to months and days of the current year.

Example: 4870 Kall-yag = 1021 Saka manus + 400 = 22 mm and manus = 280330; the fraction m = 5 months 274 days of the Sard current year, or Vicera, which agrees nearly with the former account

The effect of the difference between the two systems is, that the expanged year in the 'Systistava' reskoning occurs thirteen years antocedent to that of the 'Surya-Siddhanta'. The second General Table follows the latter account, which must be beene in mind when consulting the chairs column.

This form of the Vrihaspati-Chakra prevails throughout Bengal, but little more than the name is ever attended to.

3rd Method. The Telinga rule takes no notice of the commencement of the Vrihaspati year, which it identifies in duration with the Chandra-mans, or common luni-solar account: thus it directs to

Divide the expired years of the Kali-yay by 60, the question will give the number of cycles expired, and the remainder the old years, to be renkessed from Premerio the 13th of the Chakes.

Example: For the year 4970 Kabl-yag 4870 + 00 = 94 cycles, 10 years, or Surradiani, the 22nd, as expired. For \$2nd, will be the current year applet.

This is the rule followed in the peninsuls, and it coincides with the practice of Tibet, as appears from the following particulars, for which we are indebted to M. Csoma de Körös's researches:—

TENREAS KALENDIAL

In Tibet the cycle of Jupiter is employed; but as the Sanskrit

Multiplying by 22, and dividing by 1878, is equivalent to dividing by 85.227, the period when a year is to be expunged by this system.

literature was there introduced at a late period, this country presents the anomaly of preserving two series of denominations for the Chakra years: one derived from the Chinese by exact translation, and the

other in a similar manner copied from the Indian cycle.

The whole Tibetan kalendar is, indeed, copied from the Indian; giving the solar and lunar days, the makabatras, yogus, and karanas; with the usual lucky and unlucky days. The months are divided into karchoks and wik-choks, or bright and dark halves, etc. The astronomical year begins with the vernal equinex (sidereal) on the first Baiskh, but the civil your commences differently in different parts of Tibet, varying from December to February. At Ladákh it begins in December. The Hore or Turks keep their new year some days after the winter solstice in January; and the people of U, tsing at Lassa commence theirs with the new moon of February. The months have several names expressive of the seasons, asterisms, business undertaken in them, etc., but they are usually denominated numerically; first, second, etc. The year is luni-solar with interestations.

The only fixed epoch in Tibet appears to be the birth or death of Sikya, from which event the almonacks note the years clapsed; sometimes also they note the year from the death of the two great Lamas of Lassa and Teshi-lumps, or their re-incarnations within the last two

centuries, and other memorable avents.

The Tibetans, in estimating their ago, especially in conversation, count by the cycle of 12 years (which is, in fact, the true cycle of Jupiter).

In the ordinary business of life, the cycle of 60 years is universally employed, in which each year has its distinct name. The cycles themselves are not distinguished numerically, but are rendered intelligible by the mention of some coincident event or remarkable person of the

period, a mode highly objectionable for remote dates.

The order of the years agrees precisely with the Tamil account to the present time, having no expunged year. But the Tibetana do not count from the same fixed epoch. Their authors on the 'Kala-Chakra's system state that the mode of reckening by cycles of 60 years was introduced into India about the year 965 a.m., and that 60 years afterwards it was adopted in Tibet (about 1025-6 a.m.) Their epoch, therefore, occurs in 1025 a.m.

Now, it is remarkable that the 69th cycle of the 'Surya-Siddhanta,' and the 16th cycle of the 'Jyotistava,' and the 68th cycle of the Telinga astronomers, were all completed in 965-5 a.p., which is not much prior to Bentley's epoch of Varaha Mihira, the supposed author of the former work.

^{&#}x27; See a note by M. Ceoma, on this subject, in the 'Jour. As. Soc.', vol. ii. p. 57; [and the question from Alberini (Reinsud's 'Fragments'), infré, p. 167.]

Moreover, the two systems, starting from the point thus assumed, would up to the present period (on account of the omitted years in the one) diverge between 10 and 11 years from one another, which is actually the case, the year 1834 a.n. agreeing with the 39th year of the Bengal cycle, and with the 28th of the Tamil and Tibetan account.

That the cycles did not commence either with the Kali-yug or with the Saka epoch is proved by the two rules given above for expounding their dates, which expressly state that the odd years are to be reckened from Pijaya (the 27th) and Prassathi (the 13th) respectively, and not from Prabhase (the 1st) as would naturally be expected.

It is not, therefore, unreasonable to conclude that the theory of the Vrihaspati-Chakra was invented or introduced in India, as affirmed by the Tibetan authorities, in the middle of the tenth century; and this might be adduced as a confirmation of the date assigned by Bentley to the 'Súrya-Siddhánta,' which upholds and expounds that cycle.

M. Csome states that before the introduction of the cycle of Jupiter into Tibet, frequent mention is made in their books of a period of 403 years, called we-blo yye-tolo, a symbolical forms for the number 403; and dates are always expressed in it, as the 80th, 2 soth, or any other year of this period; new it is curious, as M. Csome remarks, that if 403 be deducted from 1025 a.m. the remainder, 822 a.m., exactly coincides with the epoch of the Hijra, leaving an impression that the latter era had been once established there. The destruction of the Buddhist religion to the north is ascribed to the Muhammadans by the Tibetan authors.

We subjoin a catalogue of the Sanskrit, Tibeten, and Chinese names of the sixty Chakra years, with an English translation of the last two. The Sanskrit names have also a meaning which is precisely rendered in Tibetan. But they have no reference to any precise objects, and are therefore not worth insertion. It should be remarked that the first year of the Indian series corresponds with the fourth of the Chinese, which goes far to disprove the commetten of the two cycles; for had the discrepancy been owing to the different modes of reckoning (as with the 'Surya Siddhants' and the Telinga), the divergence would have been at the other and of the scale; unless, indeed, it should have run through 56 years, which would have complete nearly 50 centuries.

See 'Jour, As. Sec.,' vol. iii. p. 6 · Ope-take, 'a lake'=4 · Kha, 'word'=0 : and md, 'fire'=3.

² The latter names are extended from Warran's 'Kala Sankalita:' the Chinese from De Guignes' 'Histoire des Hums,' and the Tibetan from M. Csoma's forthroming 'Grammar of the Tibetan Language,' now under publication.

Table IV .- Names and Numbers of the Vrihaspati-Chakra, or 50 years'
Cycle of Jupiter, in Sanskrit, Tibetan, and Chinese.

	Sagekrit Names.	okrit Names. Tibetan translation of Samulait Names.		Chicon Nume	Meaning of Chinese maintai	
t	Probhava.	Rab-byung	Mé-you.	Ting-mae	Fire-here.	
2	Vibbaya.	r Nam-Hhyung.	Sa-Hirag.	Von-chin.	Barth-drugon	
ā.	Sukia.	Diser-po	Sa-Shrul	Kier.	Earth-serpent.	S
4	Promoths.	Rab-myos.	Charter To.	Keng-eu.	Lieu-horra.	
ā	Prajápati.	Skyds-bilag	Chies-lie.	Sin-suci.	Iron-ahem	
6	The state of the s	Angins.	Ch'hu-spee.	Ginvehin.	Water-ape.	
ž	Angira. Srimukka.	Dpul-Qdong.	Ch'hu-bya.	Kuri-yenu	Water-bird.	1
ė.	Clark Sec. 14		Shing-k hvi	Ku-ru.	Wood-stag.	6
ġ.	Bhàyla.	Dinn-po-	Shing-Plug-	Yhai.	Wood-hog.	b
o o	Yuch.	Na-tshod-blas.		Ping-ten	Fire-mouse.	li
	Dhara.	Helias-brita.	Ma-bri. Ma-glang.	Tatg-teleson.	Fire-nx.	ľ
1	Iswara.	Dyang-p hyag		44	Barth-tiger.	1 0
g.	Bulondanya.	Hira-mang-po.	Sa-Stap	Vou-ya.		1
3	Primitthe.	Myos bian	Sa-yes.	Ki-mao.	Harth-hare.	1
٠.	Vikranu.	z Num-Quon	IChagu-Hbrug	Keng-chin	Iron-dragon.	13
ű.	Briega	K'hyu-Mah'tog.	Maga-Strul.	Nin-ee	Iron-serpent.	и
6	Chitrablelesu	Sna-tr'hogs.	Ch'ha-rTa.	Oin-on	Water-horse.	Ľ
7	Sahhanu.	Syl-ma.	Ctrhs-ligo	Kuci-ouet.	Water-theep	13
в	Torons,	Nyi-Sgral-byid.	Shing-mre.	Kla-chin.	Wood-aps.	ľ
ð.	Parchira.	Strakyong.	Shing-byu	Y-years.	Woodshird.	В
Ñ.	Vyaya.	Mi-rad.	Ma-K byi.	Ping-ou	Fire-dog	13
1.	Sarvajit.	thams-chad-Hdul.	Me-Plug	Ting-hai.	Picc-hog-	И
2	Sarvathari.	Kun-Hdun.	Su-Syl.	Vou-tre	Farth-mouse.	1.3
a l	Viroshi.	Heal-va.	Su-glang.	Ka-telumi.	Earthers.	В
÷	Vikrita.	rNum-rgyul.	Miner-Story	Bring-Mil.	Lean-tiger	13
ĥ.	Khara.	Pong-les	(Clarge-yes.)	Sin-man	Iron-ape	D
ä.	Nandana.	Digiti-va.	Ch'hu-Hbrug.	Oinselot.	Water-dragon.	h
7	Sijya.	rNam-Herser	Ch'hu Steal	Konsan.	Water-serpent.	
×	Jyn.	rGyal-va.	Shing-rTu.	Khaven	Wand-hurm.	l
0	Manmacks.	Myss-hydd.	Suing-log-	Y-out.	Wood-streep.	l
ō.	The second secon	COLUMN TO SERVICE STATE OF THE PERSON OF THE	Mc Spré	Pingethin.	Fire-aps.	П
	Durmakha.	Qide-Hollyway	Md-byn	Tings year.	Fire-lard.	l
IZ.	Hémalumya.		A COLUMN TO A COLU	Von-su	Earth-dag.	ŀ
-	Vilamya	2 Sam Hp liyung	Su-Kityi.	Ki-lon.	Earth-how	ŀ
a	Vikari.	Sgyur-byed.	The state of the s	The second secon	Iron-mense.	li
	SAFFUEL.	Kun-blan	Chags-byr.	Kong-tar.		ľ
5	Plava.	Hp'hur-ra.	1Charteglang	Sing-tehero	Trun-us.	
#	Subhakrit	Dge-byed.	Ch'ha-Stug.	Otal-yr	Water-tiger	ŀ
9	Sobluma.	Midnig-hyed	Ch'hu-ym.	Kuci-mao.	Water-bate.	
H	Krothi.	K kru-mo,	Shing-Hbrug.	Kta-clita	Wood-dragon.	ľ
Įŀ.	Viewww	Sna to hoge Dyra		Y-86.	Wood-serpent	ľ
0	Parabhava.	Zil-Qme.	Ma-rTu	Ping-va.	Fire-bene	
1	Playanga.	Specing.	Mo'-Log	Tiag-onel.	Faru-shreep.	н
2	Kilaka.	l'har-ha.	Sa-Spec.	Van chin	Earth-ape.	ì
4	Sameya.	Zhi va.	Sta-leys.	Ki-yaou.	Earth-bird.	И
4	Sådhårang.	t'bun-moug.	Chage-Khyl.	Kerng-tu.	Iron-dag.	P
A.	Virodbakrit.	Heal-byel	Chage-Plang.	Sm-lai.	Iron-nug.	ŀ
6	Paridhavi.	Yonga-Ildon	Ch'ha-byl	Gin-tot.	Water-mouse.	3.
7	Pramisli.	Rag-road.	Ch'les-g Long.	Kuis-tcheou.	Water-its.	ħ
Ř	Ananda.	Kun-Dgob.	Shing-Stag.	Kin-yn.	Wood-tiger	И
9	Rakshuss.	Sein-bu	Shing-we.	Y-man.	Wood-hare.	l.
ö	Anala.	M6.	Mis-Bloom.	Ping-chin:	Fire-dragon.	ľ
i	Pingula.	Dusar-Ser-chant.	Me-Simi	Ting-se.	Fire-sorpent	
ž		The second secon	Su-rTa.	Van-en.	Earth-horse,	Ŀ
ä	Contract of the contract of th	Dus-kyù-pho-nyù		Ki-ouci.	Earth-shoop.	Ŷ.
		Don-grab.	Sa-ing.			
ia UT	Randra.	Drug-po.	(Chaga-Spré	Keng-hin.	Iron-ape	R
54		A Lo-nun.	IChago-byu	Son-yeou.	Iron-bird.	P
56	The second secon	ma-ch ben.	Ch'hu-Khyi	Gis-su	Water-dog	И
57	Bulirodgies.		Ch'ha-P'hag.	Kuci-lini	Water-hog.	ľ
58 59		Mig-Duar.	Shing-byi.	Ku-tsc.	Wood-mouse.	U
	Krodhana	Klapp-yp.	Shing-glar	4500.	Wand-ox.	

ERA OF BUDDHA.

USED IN CUTION, AVA. PROU, SIAM, ETC.

The determination of the epoch of Buddha, fiotams or Sákya, has engaged the attention of many learned Orientalists, and although there remain some discrepancies in the results arrived at, most of these may be explained and reconciled by assuming that several individuals of the same character have existed at different epochs, or that the system of Buddhism has been at these times revived or re-organized.

Omitting all mention of the sarilest Boddhas, such as the one who figures at the head of the luner race of Hindó mythology, it may be advanced with telerable confidence that the two latest of the epochs attributed to this personage are founded on actual events, from the near coincidence which may be observed in the statements of distant nations regarding them. A critical notice on the subject by Prof. Wilson, appeared in the 'Oriental Magazine' for 1825, which furnishes the following data for the epoch of, what may be called, the Elder Buddha.

Consulting to Wednesdayers of Lane of Whoten who were by the 1984 tourstoon	31.50
According to Pedmakarpo, a Lama of Bhotan, who wrote in the 16th eventury	-
(made known by M. Cuima de Korta)	1058
By Kallonn Pandit, author of the history of Rashmir	1332
Abo'l-Pasi, probably following the fast	1966
A couplet from Chinese historians	1056
De Guigner' Researches	1.027
Giorgi, (period of Buddha's douth)	9.59
, Giorgi, (period of Buddhe's shouth)	1031
" 8ir William James	1027
". Bentley, one occasion, 1061; on exother	1004
Justerig, from a Mongol Chromology, published by Pullar	991
, Japanese Hosydopadia, birch of Bukha	1027
the death	950
"Mateman-lin, a Chinesa historian of the 12th convey	1027
M. Klaproth himself, concurring with Sir William Jones	1027
M. Rómusat dates the death in	970
The era adopted at Lases, and founded on the average of nine of the dates	
quoted by Padmakarps, who bimself however rejects them	835
desirer of a suppressible and minimum desirer takens traces extractional	

The majority of these quotations concar in fixing the period of the existence of a Buddha about 1000 years anterior to the Christian era. It is not, however, believed that any chronological era is founded upon this period: and if derived from book authorities, or tradition, the same would have travelled wherever the religiou spread.

There is an equally extensive and consistent series bearing testimony to the existence of a Second Buddha in the sixth century before Christ; indeed most of the cras noted are evidently identical in origin and concurrent in date to the present time.

The Burmese epoch of Gotama's death, as given by Crawford from a native chronological table	B.C. 544
The Singualese speck of Buddha's death, and commencement of their era, on	Ğ.
the landing of Vijaya, according to Turnour ('Ceylon Almanae' for 1834)	543
The Singuese spech, (*Oriental Magazine, 1826)	544
The noveless of Sakya, seconding to the Raj-gure of Asam, securred in the 18th year of Ajata Satru, and 1962 years before Chandragupta, the centem- porary of Alexander, which may agree thus, 348 + 199 =	514
This date may further be reconciled with the other three of	
quoted by Wilson in conjunction with them, namely,*	n.c.
The Singhelese	619
The Pegens	63H 63H
by referring these latter periods to the birth, and to the ministr commencement of the reign of Sikya; for by the Burmese cale the first of these events happened in the year 628 s.c., and the k 608-9. There is a constant difference of 10 years throughout the series of the latter chronicle, which also places the series of Got in the 8th year of Ajitasat (Ajida-sufru), instead of the 18th, as a given: by adding, then, a correction of ten years, from whatever of it may have originated, the Burmese dates will correspond exactly those of Pegu and Ceylon; and they are thus brought to the confittion of the unity of origin of the cras of all the countries we received their religion from Ceylon, or through the latter from certains.	ndar atter sarly tama bove susso with rms- hich

PAIN BEAR.

The Jains in some parts of India are etated to follow the era of their last Jina, Mahavira, whom they make to be the preceptor of

² 162 years by the Burmose table in Crowford.
³ [The proof of this sheet has been submitted to Prof. Wilson, who intimates to me that there are no new data of sufficiently positive bearing on this question to justify my alteration or emendation of Princep's original text. Burnouf some to

place the event in 543 n.c.—' Le Lette de la botan Lei,' p. 487.]

* The 'Journal Asistique,' for November, 1833, contains a chronological table of the events of Buddha's life, derived entirely from Chioses and Japanese authorities, which makes it very evident that the Fo or Huddha of 1927 a.c. is the same identical personage as the one who died 544 n.c. As far as real chronology is concerned the recent date is alone in use; but the more arcient date seems to be supported by some passages in the Sanskrit original text.

^{&#}x27;The 'Oriental Magazine' makes this date 546, but the authority in the text is most to be relied on. According to the invariable rule of Eastern channelogists the year is not numbered until after its completion. Thus an inscription or document is always dated 'so many years being expired after the death of Gotuma.' and thus the year I of the Burmese mered was corresponds with the second current year or 643 n.c. while the speeds, or nirveins of Sakya happened in 544.

Gotama, and place a few years anterior to him, in the year 569 n.c., and 512 before Vikramáditya. None of the Jain inscriptions found in South Bihár or elsewhere, however, show any trace of an exclusive chronology, while they invariably bear the common Samvat date of Vikramáditya. One inscription on a brase image found on digging a tank at Baghelpur, is dated 'after Pársa 925,' which Dr. B. Hamilton interprets 'after Párswanátha, the twenty-third teacher of the Jain religion, and consequently somewhat anterior to Mahávira, who was the twenty-fourth;' but nothing positive can be asserted of these vague epochs.

SURRESS ERAS.

Other eras prevail in the Burmese country, which are more generally employed for the business of hife, while the secred era is kept up in ecclesiastical documents. The Prome epoch was established by king Samandri, and its first year corresponds with 623 of the secred epoch, or 79 a.p. It seems to be the same as the Sikn era of Sáliváhana. The present Vulgar epoch used throughout Ava was established by Puppa-chan-ra-han; the first year agreeing with 639 a.p. or 1183 B. secred era. The division of months accords with the luni-solar system of the Hindús in every respect, the year beginning as usual with the new moon of the solar month Chaitra. To reduce the Burmese vulgar year into the Christian, add 638. For the Prome era the number 78 must be used for the like purpose. They have also another secred era, called the Grand Epoch, said to have been established by An-ja-na the grandfather of Gotama: the first year corresponds with 691 a.c.

BEWAR TRA OF RIPAL.

Bosides the Saka and Samvat eras introduced by the Gorkha dynasty into Nipál, there is still in use among this people a former era, called the Newar, from the name of the ancient dominant, or aboriginal, tribe of the valley. Dr. Bramley informs us that the origin of this era is not known, though many attempt to account for it by fabulous stories. The Newar year commences in the month of October, the year 951 terminating in 1851 a.p. Its epoch concurs therefore with the month of October, 870 a.m., which number must be retrenched from a Newar date to have the corresponding Christian year.

[In concluding Prinsep's notices of Local Eras, I extract from the work of Albironi some further details in reference to Indian cycles, to

¹ Trong. Roy. As. Sec., vol. i. \$27.

complete the quotations previously given in reference to the epoch of the Guptas, inserted at p. 268, vol. i.]

'Toutes des ères présentent des nombres considérables remember à une antiquité reculée, et leurs souées dépassent les nombres cent mille et su delà. Ces nombres out embaryassé les astronomes dans leurs calcule, et, à plus forte ruisea, le commun des hommes. Nous alleurs donner une idée exacte de ces ères, et nous rapporterous nou talcule à l'aunée des Indiens, dont la plus grande partie correspond à l'an 400 de l'ère de Yinderdjed. Cette épaque s'exprime par un nombre roud et n'est embarrassée ni de dirainen ni d'unités. Cet avantage lui est partienlier et la distingue de tentes les autres années.

De plus, elle a été rendue à juscuis edition par la chute du plus fort boulevard de l'Islamiens et la mort de l'illustre sultina Mahmend, lieu du monde et le phénomène du temps: Dieu ini fiane misérisonde! En effet, Mahmend expira mains d'un au avant cette époque,

*Le assulfé des Indiess précède le mouveux (premier jour de l'année) des l'erres de donze jours, et il fut postérieur de dix mois Persons complets à la nouvelle de la mort

du sulthan . .

'Trutes ces ères présentent des numbres considérables et remontent à une époque reculée; rollà pourquei on a remondé à en faire usage. On emploir ordinairement les ères de firi-Harscha, de Vikrameditya, de Bara, de Ballaba et des Gouptas.

'Les Indians croient que fet Haracha faient fouitler la torre et cherchait ce qui pouvait se trouver dans le sel, su fait d'anciene trésure et de richesses enfouies; il faient enlever con réchesses et pouvait, par ce moyen, s'abstenir de fouler ses enjots. Son ère est mise ce usage à Mahonrah et dans la province de Canoge. J'ai entendu dire à un homme du pays que, de cette ère à celle de Vikremaditys, on comptait quatre cents une; mais j'ai vu, dans l'almanach de Cashendre, sette ère réculés après celle de Vikremaditys de 664 une. Il m'est dans venu des doules que je u'ai pas trouvé

moyen de résendre.

'I, èce de Vikramaditya est employée dans les provinces méridionales et oreidentales de l'Inde. On pose 542, qu'on multiplie par 3, ce qui fait 1924; on ajouts au produit ce qui s'est écoulé du schadabda, met pur lequel on désigne le sumvainura senagésissel. Voilà ce qu'on entend par l'ère de Vikramaditya. J'ai vu le mot schadabda cité dans le livre du Seressies, composé par Mahadeva Djundaryna. Le procédé qu'on emploie d'abord est incommodo. Se es communique par poser le nombre 1926 no lieu de marques sans secun motif 342, l'opération sersit plus simple : car admettons le récultat, maintenant qu'on en est su premier nunvaleure, comment fera-1-on l'orsque les somvateure, en multiplierent.

"I/ère de Saca, nommée par les Indiens Sacakála, est postérieure à celle de Vikramaditya de 135 ans. Saca est le neue d'un prince qui a régné sur les contrées situées
entre l'Indus es la mer. Sa résidence était placés un ceutre de l'empire, dans la
contrée nommée Aryavartha. Les Indiens le fest neitre dans une classe autre que
celle des Sakya; quelques-une prétendent qu'il était Soudre et originaire de la ville
de Mansours. Il y en a même qui disent qu'il s'était pue de la race indienne, et
qu'il tirais son origine de régions occidentales. Les peuples eurent besucoup à souffrir
de son despotisme, jusqu'à ce qu'il leur vint du sesseure de l'Orient. Vikrumaditya
marche contre lui, mit son armée en déroute et le tan sur le territoire de Korour.

III me semble résulter de l'ensemble du passage, que le cycle sexagésimal, non-seulement était propre à une certaine partie de l'Inde, mais qu'il était d'une institution récente. Le calcul présenté par Albyronny su fais croiss qu'il commença seulement l'en 959 de notre ère. — Reinaud.

situé entre Moultan et le château de Leuny. Cette époque deviat célèbre, à cause de la joie que les peuples ressentirent de la mort de Saca, et ou la choisit pour êre, principalement chez les astronomes. D'un actre côté, Vikramaditya requi le titre de Sri, à cause de l'hommeur qu'il s'était asquis. Du reste, l'intervalle qui s'est écoulé entre l'àre de Vikramaditya et la mort de Saca, prouve que le vainqueur, n'était pas le célèbre Vikramaditya, mais un matre prince du même pour. [Hore follows the passage queted in original Arabie, and in the Franch and English versions, pp. 269, 271, vol. i.; and the connecutive extract le complete at p. 269, with the exception of the following sentence, which comes in after '241 de l'ère de Saca.'] L'ère des astronomes commence l'un 587 de l'ère de Saca. C'est à tette ère qu'ent (té rapportées les tables Kanda Ahâtaca, de Brahmagupta. Cet ouvrage porte chez nome le titre de Aramé.' [To this souveeds the sentence 'D'après cela,' etc.; and Albirdui, after stating les further difficulties in the reconcilement of discrepancies, and the betal divergencies of the commencement of the year, concludes with the passage given in arteme at the feet of p. 260.]

IV .- ERAS DERIVED FROM THE HIJRA.

PARLI OR MARYEST TRADE.

We have alluded in the foregoing pages to one or two eras following the solar and luni-solar systems, which were nevertheless derived from the Muhammadan year. They are 1, the Bengáli san; 2, the Viláyatí (vulgò, Vilaity) or Umity year of Orissa; 3, the Fashi (vulgò, Fusly) year of the Upper Provinces; 4, the Fashi year of the Peninsula. The circumstances connected with all of these have hitherto been enveloped in some obscurity. Warren was unacquisiated with the first three, except by imperfect information obtained from Calcutta. He might, however, have discovered at some their character, had he known the oustom followed in this presidency of inserting the concurrent dates of all those eras at the head of every regulation enseted by Government.

The Persian almenae of the Sadr Diwini 'Addat, from the year 1764, inclusive, has been translated by Mr. Reid, the Begistrar of that court, for the use of civil officers in reducing the dates of native documents. These tables have proved very useful in comparing and proving the scales introduced into the present work, for facilitating the same

operation.

Harington's Analysis of the Land Revenue Regulations, contains in a foot note (p. 176) the best explanation of the Fadi or harvest' years, tracing their origin to the year of Akbar's accession to the throne, or the 2nd Rahi-ul-sini, a.m. 963 (14th February, 1556): 'A solar year for financial and other civil transactions was then engrafted upon the current lunar year of the Hijra, or subsequently adjusted to the first year of Akbar's reign.' It has been by some supposed that the Bengálí san was established by Hussin Sháh, one of the kings of Bengal, but the following extract from a Persian manuscript, in possession of a native gentleman at Benáres, for which we are indebted to the kind inquiries of Capt. Thoresby, Secretary of the Benáres Sanskrit College, sets the matter in a very clear light, and entirely confirms Mr. Harington's statements:—

From the time of Amir Timur, until the reign of Jabil-ad-din Mulammad Akbar, there were three eras in use, viz., the Hijra, the Turki, and the Jabil. The Turki era resumences with the creation of the world, and is computed in cycles of twelve solar years each. In the mouth Muharman of a.s. 1128, five hundred and sixty-five cycles had siapsed, and the fourth year of the following cycle was in progress. Each year begins with the new moon of the mouth Jeth of the Hindu calendar, and the mouths are lunar. At the end of two or three years, as the case may be, an additional month is introduced to balance the configurations by solar years and lunar mouths.

'The Jalali period is dated from the 5th of the month Shahan in the year 468 Hijra, under the reign of Jalal-ud-din Toghlak Shah, Ibn-i Alap Aresian Saljuki. The year begins with the Nauron, or the day that the sun enters the sodiocal sign Aries. There are thirty days allested to such month, and five supplemental days are added to the twelfth month, to which at the expiration of every fourth year a sixth.

day is superadded.

"As the sennal method of computation in the Turki era accorded with that observed by the Hindus in rachining the years of the Sameal, it was generally used in the preparation of records and accounts, ste., but after the Emperor Akbar had extended his dominators by the conquiret of Rengal, and a portion of the Dakhan, there were several modes of computing time prevalent in different parts of the empire; as the Samvat, with its lunar months and mlar years; the Bengali era, in which the year began with the arrival of the son at the remail equinoctial point, and the mouths were regulated by his passage through the twelve signs of the rodine; and the Dakhani era, which comprehended lunar months, and a loner year beginning on the 12th of the light half of the month Bhadon. Those differences occasioned a good deal of perplexity to the accommunicated other public officers; at length some of them drow the attention of the Emperor to the subject, who, after deliberating with his ministers, desired that the three foregoing eras should be made to agree with the year of the Hijrs 964, (9631) and that appropriate amon should be given to them. Accordingly, it was decided that the Samuel in Upper Hindustan should be named Fuelt, and should commence with the month Aywina (Kunwar), in which the collection of hard-tax for the following seasons is first made. The era introduced into Bengal was denominated Son-i Bengula, and the year was continued there, in the period of its segmentement, on the sun entering Area, as hereafore. This was likewise the case in the Dakhan, where the new era was called Villagati, because it was received from the Villyat of Handustan, and the samual revolution continued to be dated on the 12th Bhadon. Those three was therefore own their origin to the fint of the Emperor Akhar, and they are formed upon the basis of the Muhommadan epoch, but the annual revolutions accord with those of the eras which they superseded."

Thus the object of Akhar was merely to equalize the name or number of the year all over his vast empire, without interfering with the modes of subdivision practised in different localities: and this explanation will materially simplify the understanding of the subject of the four harvest years. The Bengalt san, the Vilayati san, and the Temil Fash year, may be always considered identical in character with the Saka solar year, while the Fash of the western provinces may in like manner be classed with the luni-solar Samvat there current.

The reason of a year's variation in the denomination of the Bengálí san will at once be seen on comparing the commencement of each.

The Hijra year 963 began on the 26th November, 1555, x.s.

The concurrent Fash year, 963, began on the 1st of the lunar month Assn (Aswins), which fell on the 10th September, 1555.

Th Viláyatí year 963, on the 1st of the solar month Asan, which occurred on the 8th September, 1555.

But the Bengili san 963, began on the 1st Baisakh falling within the same Hijra year, which was necessarily that of the 11th April, 1556.

The number 592 must be added to convert the two first eras into Christian account, if less than four of their months have transpired, and 593 years, if more; also 593 for the first nine months of the Bengali am, and 594 for the rest.

PARLY REA OF THE DARRAN.

The Fash year of the Poninsula, however, differs two years from the proceding, being apparently in advance of them. This can only be caused by its having branched off from the Hijra as a parent stock at a later period.

The year 1240 of this Fayli begins in July, 1831, or in the second month of 1247 Hijrs. The difference is seven yours, which converted into days, and divided by 11, the constant acceleration of the lunar year per annum, gives a period of about 230 years back for the epoch sought. But as the Fayli only drops behind, one year in 33, a latitude to that extent may be allowed in fixing the epoch of its foundation. In fact, we learn from Grant Duff's 'History of the Marbattas,' that this Dukhani era own its origin to the Emperor Shah Jahan, who, after bringing his wars in Maharashtra to a close in 1636, endeavoured to settle the country, and introduce the revenue system of Tudor Mul, the celebrated minister of the Emperor Akbar. Along with the survey and assessment naturally came the 'revenue year,' which, commencing as usual with the current Hijra year of the time, has now diverged from it seven years, as above-mentioned.

The constant for converting this era into Christian years is + 590. The year is, or ought to be, sidereal, but the Madras Government has now fixed its commencement to the 12th July. Its subdivisions are however, little attended to, the sole purpose of its application being in revenue matters.

THE TARIES ITAHI, OR SEA OF ARBAR.

This era was established by the Emperor Akbar, in the thirtieth year of his reign, (A.R. 992, A.R. 1584,) many years after his introduction of the Faeli era, as Abú'l-Fazl says, 'in order to remove the perplexity that a variety of dates unavoidably escassions. He disliked the word Hijra, 'flight,' but was at first apprehensive of offending ignorant men, who superstitiously imagined that this era and the Muhammadan faith were inseparable. Amir Fatteh Ul-läh Shirázi currected the calendar from the tables of Ulugh Beg, making this era to begin with his majesty's reign. The days and months are both natural solar, without any intercalations. The names of the months and days correspond with the ancient Persian (see page 143). The months have from 29 to 30 days each. There are no weeks, the whole 30 days being distinguished by different names; and in those months which have 32 days, the two last are named res a sheë (day and night), and to distinguish one from the other are called first and second.'

The epoch of the Hihi era consequently falls on Friday the 5th Rabi-ul-sant, a.u. 963, corresponding with the 19th February, 1556, s.s. which number must be added to bring its dates into Christian account. It is used on inscriptions, coins, and records of Jahángir's and the following reigns, but generally coupled with the Hijra date.

THE SHARUR (VULCO, RUUNOUS) OR SOOR ERA OF MAHARASHTRA.

There is another era of Muhammadan origin still employed by the Maráthas of the west, entitled the Shahar or Soor-san, a corruption of the Arabic word shahar, (plural of shahar, 'month,') and literally meaning the 'year of months.' An account is given of this era in Capt. Jervis's 'Report on the weights and measures of the southern Konkan.' That officer affirms on some Hindó authority that it was introduced on Thursday, the 6th June, 1342, a.n., in the Hijra year 743, while others place it a year somer: but the computation of its agreement with the Hijra year, says Capt. Jervis (in the same manner as was followed in ascertaining the epoch of the Fasli year), shewe it to have begun when the 745th Hijra (a.p. 1344) corresponded with the 745th Shahar san.' It was probably adopted on the establishment of one of the Muhammadan kingdoms in the Dukhan under the reign of Tughlak Sháh.

¹ This correspondence would continue for several years before and after, so that the Hindú secount may probably be correct.

The years of this era are denominated after the corresponding Arabic numerals.

The following examples will be sufficient to explain the system; the names are, however, corrupted in pronunciation by the Marathas:

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1 Abadi,
               10 delar.
                               100 Mayat or Maya.
2 Inti.
               20 Libria,
                                122 Imp-takria socyat.
3 Sulas.
               30 Kalatin,
                                 200 Miatin.
                                300 Suly midyat.
               40 Arlain,
4 Arba,
               50 Khansin,
                                450 Xkomin-arta mayat.
S Khama,
6 Site.
               50 Situles,
                                1900 Alf.
               70 Salasia,
7 Saba,
                               1100 Mayat-p-aif.
& Somme
               30 Sanutnin,
                                1200 Sulusin majutin-p-off.
o Tier,
               90 Timein.
                               1513 Suls-usher suls-mayer-s-alf (A.D. 1884).
```

The correspondence with other eras may be seen from the following brief rule for their mutual reduction:

If the given date fall after the sixth month of the Shahar year, it will occur in the next ensuing Christian year; and after nine months, in the next Saka or Samvat year; because the Shahar year begins in June, at the sun's entrance into the lunar mansion Mrigs (Mrigasirsha.) It is not stated whether its subdivisions follow the Hindu or Arabic system, but the former may be taken for grantest.

JALUS TEARS.

There is still another system of recording time to which some allusion is requisite under this head, as it depends, like the foregoing, upon the Hijra reckening. During the dynasty of the Mughal Emperors, the year of the reigning monarch was usually inscribed, as is the case in most countries, upon all documents of a public nature. It was also particularly noted on the gold and silver coinage, where indeed it continues to be inserted under the Company's rule, although the date has long remained unchanged. The Hijra date was frequently added.

The jalús-san (see-i jalús) necessarily follows the Hijra reckening, and the same tables will answer for the solution of them when the accession day of each sovereign is known. Those of the Mughal Emperora have accordingly been inserted among the festivals of the Muhammadan lunar calendric scale, where an explanation will be given of their application. A list of the sovereigns of Dihlí, in chronological succession, will also be found among the tables of dynasties.

It seems that the 'jalus-san' has been constituted a fixed ora in

the Southern Konkan, commensing with the year of Salivihana 1578, (A.D. 1656), and running on henceforward in the ordinary solar manner contrary to all precedent in other parts of India. This epoch, derived from Capt. Jervis' 'Report,' is anterior by two years to the coronation of Aurangzeb; but it corresponds precisely with the accession of Sultan 'Ali 'Adi Shah II. to the throne of Bijapur; from which circumstance it doubtless drew its origin, although from subsequent disturbances, its correction was lest eight of.

In general it should be borne in mind that the duration of a Muhammadan menarch's ruign, as well as of his life, is reckoned by lunar years; and that both consequently require correction when com-

pared with other dates.

BAJ-ARRESHEE ERA OF THE NARATHAN.

Only a few years subsequent to the establishment of the Jalus era last mentioned, another of the same nature was set up by the Marathas, or at least it has since come into use, founded upon the rise of their power under the famous Sivaji. We have the authority of Grant Duff for fixing the date of Sivaji's ascending the throne, on the death of his father Shahji, in the year a.e. 1664, when he first assumed the title of Raja, and struck money in his own name.

To convert the Ráj-abishek (meaning 'ointment of the king') into the Christian era, 1664 must be added. The division of menths pro-

hably accords with the Saka system.

BECATTULATION.

The whole of the eras mentioned in the foregoing imperfect account are, for the convenience of reference, collected below in a tabular form, with the equation for their conversion into the ordinary reckoning of Europe. It has been deemed preferable to insert the year of the Christian era, corresponding with the first seminal year of each of the Indian eras, which will here and there produce an apparent variation from the epochs or initial dates given in the foregoing sketch. (See note, p. 165.)

Jerrie's 'Report,' p. 20.

TABULAR VIEW OF BRAS USED IN INDIA, WITH THE REPATION FOR CONVERTING THEM.

DEPONINATION.	COMMUNICACION.	EQUATION.
The Kali-yags (rulgo, Kul-jug) commences	Priday, 18th Feb. ((before Christ)
	3102 p.c.	3102-K=C
The first year being reckoned us 6, the		(after Christ)
	3101 a.c.	K-3101-C
Era of Buildha's birth, by Chinese account		not used.
Ditto, his soreans, in Imlia, Ceylon, Ava, 68	ans, etc. let year - i	545-B-C
	Man !	B-543 = C
Jain era of Mahavira.		ant week.
Samvat (Sambut) of Vikramaditya, your 1 -	- 3 March, 26 n.c.	- 401
Saka (Shuk) of Salivahama - equipos	79 6.D.	+ 781
Parasurama cycle of 1000 years [1st year of	of 4th system Sept.	
	825 A.G.	+ 824
Grahaparivrithi ditto, of 90 years (let yes	or of that epolal-	
	1777 a.s.	+1776
Vribaspati (Jupiter's) sycle of 60 years (esta	blished in 966 a.n.)	
u list year of Sith syels (Steya-Sidd		+1795
tt to Silved eyels (Tallings accor	out) = 1807 A.D.	+1306
to is 14th cycle (Tibet account	t)1507 a.p.	+1806
14 17 70th cycle (Chinese sopp	unt) = 1504 A.D.	+180X
Turkish or Ighari eyels of 12 years evincide	s with Tibelen and	
Telinga Jovian cycle, in its initial year	mornion management	distant
Ralabbi Sunvet of Sommith	- March \$18 a.p.	4 3174
Siva-Slaha Sumvat of Gujorat	= 1713 v.p.	+1112
Burmerse era of Prome	70 A.D.	+ 584
n Vulgar spech	E N 630 A.D.	+ 638
3 Sacred ora (see Buddha)	n n 563 2.c	- 544
	a n 601 a.c.	- 692
Java era, Aji Saka	at 74 3.35	+ 73
Bali org	a Bi a.b.	= 80
Niphl, Newkr eru		+ 809
Tibet, me-kin-gya-talo, 402-yuar ura,	# 622 A.D.	+ 621
Hijra, lunar year begins Era of Yezdijird, Penian		ton tables
Jalali eru of Malik-shah.	June 16, 632 A.D.	+ 6313
Tarthh-i light of the Emperor Akbar	March, 1079 A.D.	+10781
	Maryb, 1856 a.n.	
" af South India	(shed in 1556 A.D.)	+ 5921
Viláyati n of Ocissa	. 1638 A.D.)	+ 590
Bengali-on of Bengal	1886 A.D.)	+ 592
Shahur-san of the Markthan(intra	- (556 a.h.)	+ 5934
Jahusan of Dijapar	STALT LEAD (+ 599
Raj-abhishek of the Marathan	Com III 1000 A.N.	+1656
sed accounted to one mentioned transmitted	dr a reden 1004 TD)	+1564

DIRECTIONS FOR USING THE CHRONOLOGICAL TABLES.

Most persons consulting the following tables will wish to be spared the perusal of the description of the origin and formation of the several eras comprised in them, and will be desirons only of obtaining their object as directly as possible, namely, the conversion of a date expressed in either the Christian, Hijra, Samvat, Sáks, Kali-yug, Vrihaspati, Parasuráma, or Grahaperivrith! system, into the corresponding day of any other of the same series. The present rules will be confined to this object. They are partly repented, also, with examples, on the pages of the several yearly scales, for the convenience of more immediate reference.

RULES FOR ANY DAY OF TIME PALLING WITHIN THE RANGE OF THE GENERAL TABLES LIG. AND LIV., HAMPLY, FROM A.D. 672 TO A.D. 1900 FOR THE HURA, AND FROM A.D. 1660 TO A.D. 1860, FOR THE HINDÓ BEAS.

HURA RALENDAR.

 To find the Christian date corresponding with any Muhammadan date of the Hijra era,—say the 17th of Bajab 1201 A.H.

Take the initial day of the year 1201 from Table XIII., which will be found to be 3 (or Tuesday) the 24th October, 1786 s.s. Then set the first day of Muharram on the edge-scale of Table V. to the 24th October on the preper column of the Christian era, Table XII. Opposite to the 17th Rajab will be found to stand the 5th May (1787), which is the day required.

2. To find the Muhammadan day agreeing with a given Christian

day, -say the 17th March, 1804 (a loap-year).

Find from Table XIII. what year of the Hijra commences next before March, 1804, namely, 1218 a.m., beginning on Saturday, the 23rd April, 1803. Set Scale V. to this date, and read off opposite to the 17th March, the 4th of Zilhejeh; but because 1804 is a leap-year, and the day falls after the end of February, one day must be added to the scale, and the reading will then be the 5th Zilhejeh, which is the day sought. Should the day of the week be also required, set the 1st Muharram to Saturday on the hebdomadal scale in Table XII. and read off 5th Zilhejeh, Saturday.

To find the Christian year corresponding with the jalus of any
of the Mughal Emperors of Dihli,—for instance, the 19th

year of the reign of Shah 'Alam?

In the column of Festivals in the Hijra kalendar, page 162, it will be seen that Sháh 'Alam came to the throne on the 1st of Jumádi I, A.H. 1173. Adding to this 19, as above, the general Hijra Table shows that A.D. 1192 commenced on the 30th Jan. 1778:—the 19th jalús therefore (by the scale) will be seen to commence on the 29th May of the same year.

4. To convert a Hijra date into any of the Hindú eras correspond-

ing to the given Hinda date.

In these cases the intervention of the Christian scale is required, because the initial days of the Muhammadan years are given only in the latter system. When once the English day is found, the rules already prescribed will answer for determining the remainder of the problem.

RINDO MULAR OR SIDERRAL KALENDAR.

a. To convert a date in the Kali-yag, Saka, or Bengali-san eras, into the corresponding Christian date,—for example, the let of Jeth as, 1199 = x.r. 4893 = Sak. 1714.

By Table XIV. the 1st Baisakh, s.v. 4893, of the Hinda solar cracoincided with Tuesday, the 19th April a.z. 1792. Therefore setting the index of the Hinda solar scale, Table X., to that day, on the proper column of Table XII. —the 11th of May will be the resulting date.

(From the astronomical formation of the Hindú months, an error of a day in the seed reckoning will sometimes occur, which the kalendar X. is unable to correct, without a coorputation of the elements of the beginning of the particular Hindú month by the rule hereafter laid down, page 178).

6. The converse of the above proposition hardly requires a separate

explanation.

Example: Required the Hindú solar day corresponding to the 20th December, 1813?

The 20th Desember, 1813, must fall in the Kali-yag year, 4914 (s.s. 1229), commencing, by Table XIV., on Sunday, 11th April, 1813. Setting, therefore, the index of the Hindú solar year to the 11th April, the 20th Desember will be found to accord with the 7th or 8th Pausha, 4914 x.y. (The Viláyatí or Dakhani reckoning gives the latter, while the Bengálí gives the former day.)

PRETIVALS.

The Hindé Solar Kalendar contains but three festivals of any importance, namely, Charak-pajs, on the last day of the year (or entrance of the Sun into the first sign week, of the Sidercal Zodiac), called also the Satura-sandránts:—the first day of the Viláyatí year of

It should be remarked that Warren's "Kala Sankidita" gives the beginning of the Hindú solar year invariably one day earlier than the reckoning followed in the tables of the Sudr Diwkst. This arises from his using the Tamil year of the "Arya Siddhanta," while the "Surya Siddhanta" is used in Bengal. We have not ventured to after the tables, but the correction may be borne in mind.

Orissa and of the peninsuls in general, viz., the autumnal equinox, or rather the Sun's entrance into Virgo:—and the Maker-senkranta, on the last day of Paushya, when the sun enters Capricornus. The Christian day on which these occur will be shown by the scale when the index is adjusted for the given year.

LUNI-MILAR KASENDAR.

 To reduce a given date in the Samvat of Vikramáditya, or in the Fasli of the Upper Provinces, to the corresponding approximate Christian day,—for instance, the 2nd Sódi Bhádon (sódi Bhádra) 1861, Samvat, or the 16th Bhádon, 1211, Fasli

By the general Table XIV., column 15, the Samvat year 1861, commenced on the day after the last conjunction, which fell on Sunday,

11th March, 1804.

Setting, therefore, the index of the luni-solar scale of Table VII. (or the new moon of the menth Chaitra), to the 11th March, we find the 16th Bhádou (Bhádra) falls on the 7th August. But the year 1861, Samval, is an addite, 'lound,' or intercalary year; it is necessary, therefore, to find out what mouth is repeated, otherwise the denomination Bhádon may be a month erroneous. (N.B. It is always one of the first five months or the last month of the lunar year that is repeated).

8. To ascertain what munth will be repeated in the Hindú luni-

solar year, -taking for example the year 1881.

Set the index of Table VII. (the new moon of Chaitra) to the date of the beginning of the luni-solar year in the solar kalendar, taken from column 16 of the General Table XIV. namely, in the present instance, the 1st of the solar mouth Chaitra, which mouth (by column 14, of Table XIV, will contain 31 days.)

It will immediately be seen, that a second new moon will fall on the 31st of the same solar month Chaitra; the lunar month Chaitra therefore will be repeated, and the lunar month Bhadon (Bhadra) will fall a month later, coinciding with the ordinary month Kan' (Kywina.)

Therefore, in reading off the date opposite to the 16th Bhadon—
(A'sun,) the English date will come out the 6th September, A.D. 1804,
which is now correct.

 The converse of this proposition is equally simple, regard being paid to the character of the luni-solar year, and the month to be repeated (if any) being first ascertained by the rule just explained.

The data for this example are taken from Worren; but strictly speaking the intercalation in this case should have belonged to the preceding year, since the definition of the commencement of the new year states that it begins with the last new moon autocedent to the first Baisakh of the solar kalendar.

Example: Find the approximate luni-solar day for the first July, 1812.

By the General Table XIV. the Samvat year 1869 begins on the day following the 13th March, 1812; it is an Adhika or intercalary year, beginning on the 3rd of the solar month Chaitra, which contains 31 days.

Setting the luni-solar index accordingly to the 2nd of Chaitra on the solar kalendar, the scale informs us at a glance that two new moons will fall within the solar month Baisikha; the lunar month of that name will consequently be repeated, and the denominations of the following months will be altered accordingly.

Now, set the luni-solar index to the 15th March, and read off opposite to the 1st July, the 6th (Sawan) Asirha, 1869, which is the approximate date: (in reality it fell on the 7th, for no fixed scale can represent the variations of the lunar month correctly to a day in all cases.)

EVER FOR INTERCALATION.

It is not however necessary, within the limits of the General Table, to resert to the juxtaposition of the luni-solar and solar scales, to ascertain what menth will be intercalated, since the initial letter of the menth required is given in the 14th column of Tab. XIV.; thus AV signifies Adhika Vaisakha, or that the menth Vaisakha will be repeated: the whole of the abbreviations which can occur, and the general order in which they do occur, are as follow:

AA Adhibu Anigha Ath or 6th of Chaitra (sol. calendar.) 2nd or and ditte AV Vainth ha -14 AH Blidden 9th or 10th ditto 48 6th, 7th, or 8th ditto 4th, 8th, or 8th ditto AB Brdvann. # AJ Jucatha. 15 0 or 1st ditto AC Chaitra eth, 7th, or 9th ditto.

In this table, the last column shows what commencing day of the Samvat year will cause particular months to be interestated: when therefore, by the rule just given, this day has been expounded, the existence and position of an interestation is also determined for the given year: thus, in the Samvat year 500, as the initial day falls on the 4th of Chaitra, there will be an interestation of the month Jyestha.

Some ambiguity, however, will still remain as to the actual month to be repeated, since, if Vaisákha had 32 days in that year and Chaitra 31, new moons would have occurred on the 3rd and 32nd of Vaisákha, and consequently the latter menth would have been the one repeated.

If Chaitra be accounted the first mouth of the year: but if it be called the tast mouth, then the intercalation of Chaitra secure when the preceding lumi-solar year begins on the 10th or 11th Chaitra selar kalendar. Both cases are met with in the tables, as though the matter were indifferent to the Hindú astronomers.

To overcome this unavoidable degree of uncertainty, the problem must be worked out systematically with the elements furnished by the tables of Solar and Lunar Ahargana, but such an extreme measure will seldom or never be required in ordinary cases.

LUNAR PERTIVALA.

The days on which the principal lunar festivals of the Hindús occur being inserted in the kalendar in Table VII, will be solved in European dates by simple inspection when the scale is once adjusted. It is only necessary to bear in mind that in an intercalary year such feasts as occur in the double month will be confined to the sij or proper month; and as the Adhika or intercalary month falls always in the middle of the 60 days (see page 155), the feativals will either happen in the first or in the last fifteen days of this period. All the feativals subsequent to it will be shifted forward one lunation along with the names of the months.

TH CONVERT SANVAT INTO SAKA DATES.

For instance what is the Saka day for the 6th Asara, 1860, Samvat? Set the initial day of the luni-solar scale to the date of the solar Chaitra, given in the General Table as before (the 3rd Chaitra, or rather the 2rd, because the same General Table says, that Chaitra has 31 days): then (because also it is an interestary year) read off opposite to the 6th (Sawan) Asarba on the lunar scale,—the 19th Asarba, solar recknoing, which will be correct by the Dukhani account. The Bengáli account is in all cases one day earlier. The Saka year corresponding to Samvet 1869 by the General Table is 1726.

The same process precisely must be followed to find the Samvat from the Saka date; only reversing the readings.

CTCESS.

For the years of the several cycles of Parasurana, Grahaparivritthi, and Vribusputi, simple inspection of the table will be sufficient to find corresponding dates, as the sub-divisions of these years are soldom required. The names of the cycle of Jupiter (Vribusputi) for the numerals in column xi. will be found in Table IV., page 163.

Noze.—It should be beene in mind, that the natives, in speaking or writing a date in simple years, always express the number of years expired, not the current year, as is the custom in Europe. When they mention the month, therefore, they mean the month of the following current year: but as the numerical denomination or the Hindú year remains unchanged throughout it, no thought need be taken of the distinction of expired years, unless where a calculation has to be made from an initial epoch. In common parlance they may be treated like

the current years of any other system, as being more consonant with our ideas, and less liable to cause mistakes in transferring dates to and fro.

RULES FOR DATES TO WHICH THE TABLES DO NOT EXTEND.

There are two methods of solving Hindú dates anterior to the tables: 1st, by finding the time expired since the Kali-yag epoch (which commenced on Friday, the 18th February, of the year 3102 a.c.); or, 2nd, by starting from some more modern epoch, the correspondence of which has been previously established. The latter is the most convenient method, and a Table of such epochs (IX.), taken from the 'Kâli Sankalita,' has been consequently inserted for the purpose of applying it in page 186; thus—

Let it be required to find the Christian date, Julian style, for the 15th Passha,

622 Saka / (623 current.)

From Table IX. it appears that the Saka year 622 began on Saturday the 20th March, 700 a.c. Set the Index of the Hindú solar year scale to that day, and read off the 15th Pamha - 6th December, 700.

But as the Hindú months may vary in length a day or two, this result (if requisite) may be verified by finding the day of the week of both kalendars: thus—

- 2. By the Deminion letter Table XI, of p. 190, the year 700 a.n. will be found to have commenced on Friday; where they the scale of days in the second part of the same table) the 6th of December will full on Munday, which day, agreeing with that just found, the first computation is proved to be secrect to a day.

Answer Monday, the 6th December, 700 a.p.

Example 2. What is the Hindu solar date corresponding to the 12th June, 528 a.p.

The speek for the expired year 3601, s.v., or Saks 422 (the nearest in occurrence to the year 538 s.e.) is (6) 31 40 on the 18th March,

Add from Table VIII, 30 years ... (2) 45 46.

. . 8 years... (2) 04 12

The year Kali-yag 2039 began ... (5) 10 58, or on Friday morrest the 18th March, 638.

Salve the Dominical day, by which Friday proves to be the 19th March.

Set the index of the Hunts solar scale according to the 11th March in the Christian kalendar, and read off, the 12th June - 23rd Askrhu.

Now, by the Deminical letter, the 12th June falls on a Saturday;

And for the Hindu year we have as above....... (5) 10 as.

proves the operation to be correct, and the result to be, Saturday, the 23rd Ashrba year 460 Saka.

Example 3. Expounded from the Kali-yng epoch. On what Christian day fell the 18th Magha, 4903 x.v.?

The proximate Christian year is 4963-3101 - a.m., 1802 current. Take the contracted Ahargans from Table VIII, vir.

4600 years = (2) 01 33 900 , = (5) 53 51 3 , = (3) 45 34 (4) 40 58 Deduct constant, or Sadhyumi (2) 08 51

Year 4904 E.T. begins (astronomically), (2) 32 67, econting from Friday, or on Sunday; and as the fraction is more than 30 gharis, the civil year will commence on the following day, or on Monday: this is called the sute diese, and must fall, according to the General Table, somewhere near the 12th April. By the Dominical Table, then, it will be found that Monday corresponded with the 12th April of that year.

The remainder of the operation may be performed as before, either by the scale, or by the collective roots of the months: by both the answer comes out - Sunday, 30th January, 1803.

SANTAT AND PASLI DATES ANTERIOR TO THE TABLES.

Where the tables do not give the initial day of the luni-solar year, it may be found from the table of Lunar Abargans in p. 186, by the following simple process:—

- 1. Find the number of years slapsed since the commencement of the Kali-yag.
- Extract the number of days surresponding with the slapsed period of Hindu solar years above found, from Table VIII.

Extract also the number of days alapsed in the luni-solar period corresponding, from Table VI.

Subtract the latter from the former, and the result is the number of days by which the luni-solar anticipates the solar year; if the remainder, however, exceed one lunation, or 29d. Sig. 50p., that amount must be deducted from it; because it is thence evident that un intervalary month would have intervened; the rule for the luni-solar year being, that it shall commence from the last new moon preceding the solar year.

Nors.—For a correspondence of the limi-colar with the European date, it will in all cases be necessary to expound the beginning of the Hindú solar year in the first instance.

Example: On what European day did the Samvat year 1600 commence? 1600 Samvat = 1600 - 57 = 1605 a.n. (page 172). 1600 + 3044 = 4704 Kali-yug (expired.)

¹ Because the moment of the conjunction of the planets at the Hindú spech occurred so many days and hours after the zero of the weekly reckening. See note in page 188.
² The civil year begins at sunrise: the astronomical at noon.

lst. The number of solar days slapsed to the end of the Kali-yug year 4704

255681	07	28 46 06	
1718177	200	25 51	
1715175	62	34	(Tuesday).
1461025	60	19	
235676	49	49	
1440	59	50	
	255681 1461 1718177 2 1718175 1461025	1461 02 1718177 11 2 08 1718175 02 1461025 60	255681 07 46 1461 02 06 1718177 11 25 2 08 51 1715175 02 34 1461025 60 19

Days clapsed, or root of Sonvat 1660, 1718148 40 04

Deducting this from the above, the remainder 26 is the number of days by which the luni-solar year precedes the solar, the hot evajunation of the sum and moon falling on the (36 — 26 —) ath of Chastra : one day must, however, in all cases he added to this result, as the luni-solar year begins on the day after the conjunction of the sun and moon.

The let Balakh, mar year 4704 s.v., sours on Monday, the 7th of April, 1003 a.b., therefore definiting 25 days as above stated, the year 1500 Samvat began on Wednesday, the 12th-March, 1003 a.c.

Setting the land-solar scale nevertingly to that day, any intermediate day of the year may be found having previously determined whether any and what menth of the year will undergo repetition or expangement, by the rules had down in page 178.

Example 2. What day of the Scottet ere corresponds with the 1st January s.p. 1 c.s.?

The year a.u. 1 - Kall-yag \$102 - Sunyat \$8, but anthone years begin in March-April, the 1st January will fall in the proceeding years compactively, viz. R.v. 2101, and Sum. 97.

For the initial day of the solar year we have, speed of 5101, by Tuble IX. = 14th March A.D. (b.)

The Samvai precedes the solar year by 22 days and consequently begins on the 20th February, a.n. 0., and by the formula in page 177, it will be a 'lound' year, repeating either the month Bhidra or Srivans.

Setting, therefore, the index of the limi-solar kalendric scale to the 20th Feb. in the appropriate Christian scale, the first of January will be found to full on the 5th of Magha (Phalguma) or 'Samout 57, Meigha-badi possessons.'

¹ Some chronologists make the year 0=1 n.c., and indeed this is the common mode of reckening.

It is impossible, within the compass of the present practical rules, to furnish methods for correcting the approximate lunar days solved as above: for such a degree of accuracy, recourse must be had to Warren's, Jervis', or Bentley's tables; but as the lunar equations seldem exceed half a day in time, the moon's mean place will always be within one day of the truth.







ARRAM

5

MINISTED BY ADMINISTED THE BALESBEEF SCALES.



Lay the best open on a table; easy the two required pures in the house and dispress them with appeals ourrature. They will then have able motion as as in only at the respective tadions.

N.B.—The direction of a day is represented by the space between two times on the units, and by the times the machine.

The Muhammaden Year is of the most imple construction, consisting of Iweles months of thirty and Iwenty-aim days alternately, with an intercalary day added to the last mouth on the Bul, link, 7th, 10th, 12th, 16th, 18th, 2te, 26th, 28th, and 28th years of a cycle of 30 lanar years. For further pertuculars, see page 144.

APPENIATION OF THE SCALE

To find the European day exercipeding to one Him date to vivy version

From the General Table find the day are which the Hilps year community, he waich not the redex of the present scale (so the lat day of Madescuss), in that one of the columns of the Karopena schooler, which may be most convenient for the purpose.

TO CHEST

Required the English day corresponding to the 12th Species, 8 9, 1225 (

By the General Tuble of the Higrs, the year 1228 communical on Monday, 4th January, 1812; setting therefore the 1st Moharmus to that day in the subsequent column but one in page 181, there will be found apposite to the 12th Shihha, the 16th of August, which is the day required.

To find the name of the day, set the index to Monday in the column of weeks and days; the 12th Shibble will be found to full on Toroday.

The julis years of the Mughal Emporer must be converted into Hijrs years, by adding the initial years in rath case, found in the column of "festivals," and then expounded as in the example just given.

New year's day, i... Feer of Hause and Hossin called the 'Muharman,' lept by State, whole munth

Schauter State, J. 1906, 1226.

Alcher, Julia 204, 1972

stalls a same joins let, 1225, Atmost white, J. Onl., 1162. Homeway, joins 903, 957

a mongath, johne 7 m, 1982. Mich Janks. 1000: 402, 1007.

Subleate, paids latti, 1018.

mush-t-turis, full more.

Ramonia, beginn: 5 on het. Beber, jedes frie, 682. Abber 22., pelos 603, 1221. Aberrafit ab., 5, 19th, 1367. Talm 67, belos 1284, 771.

throughter, a re lake

Driver-red, 9th

Mulmanud F655, J. 2016, 1121 Bazadar Shirk, J. 1ez. 1136

BUNKER

STEERING.

Table VI.—Absorption Chandramous, or Law-inter Periods, crelimed from the beginning of the Kali-gog, according to the Surga Siddhants, to Sad the cost, or commencement of one Law-index Year.

The days in this meant on wakaned took Toursday

2,000	Lunivilae Preinda.		Post	Lantacia	Per m	EL.	Year		word T	9-140	٩		
1001000000	* · · · · · · · · · · · · · · · · · · ·	551 765 5002 1146 1901 1150 2500 2500 1977		81 81 82 82 83 87 87 88 80 81 81 81	21. 24. 26. 26. 26. 26. 26. 30. 30.	(# 759) (6 10%) 7 14308 (6 1430) (7 25643 (7 2504) (7 2504) (7 2504) (8 2507) (8 2507) (8 2507) (8 2507)	対解	3)	900 403 503 600 700 300 900 1000 9000 4000	(大学のののはない)	10mals 1,0mals 1,0mal 192017 210146 255079 202005 25701 25701 7,00108 1,00108	49. 10 20	100000000000000000000000000000000000000

To find on what day of the dular month, Chaura, the immunity of may look-value your fields.

4. From table VIII of After officers page 188, extract the number of rolar days clopsed for the period of the Kult-year.

2. From the persons calds national to a smaller may the examine of days occurred in

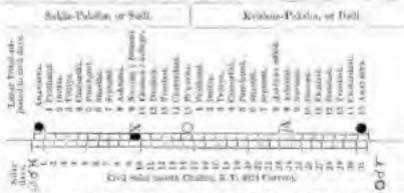
3. Subsect the letter from the former, and if the recomber exceed 291 days, then subsect that present so that the removable about about a loss from 291.

4. This processor is then the combine of those by which the bound your procedure the wider, and, count of back from the 2005, of the most according Chaires, shows the date its flow month with which is a recommendation.

For an example, me p. 181.

SPECIFIES OF A COSAN MODELY PRICE THE STORY CALIFFORN SON THE EXPERIMENTAL MODEL OF THE PERSON NAMED AND THE PASSAGE

Adhtha Chattes, or Philymoritick.



This scale shows how the larger civil day is coupled with the some civil day in which it ends: that when two titles and in our day, the necond title is expanged; and when none end in a civil day, the title is replaced twice; see p. 155.

Table VIII.—Solar Abargana, or days, ghavis, and pals elapsed from the beginning of the Kali-yag, for any period of years, with the days of the week (within brackets) obtained, by dividing the collective days by 7.

Vinarra	Tim	e ourse	pend	ing.	Years	Time conveyables.			Time	T	ine corresp	ondia	ır.
122156	(1) (2) (3) (6) (0)	2. 263 730 1085 1461 1826 2191	15 31 46 62 17 38	91 03 34 36 38 09	50 30 40 50 60 70	(4) 7395 2) 10957 1) 14616 (6) 18762 (6) 21915 (4) 25568	10 45 51 51 51 90	A0 40 61 10 31 47	300 400 400 600 700 800	6600000	140103 182079 219155 255681 202207	37 30 22 10 07 00	87 69 42 14 46 10
7	(1) (a)	2933	04	12	96	(t) 32873	17	17	1000	(8)	326732 303358	43	51
10	(A)	3287 36A2	19	14	200	(0) 750AI	45	94	4000	(4)	780517	90	35

From any period found by this table, the semetant quantity 2 days 8 gb., 51 pl is to be subtracted, because the speck of the Kall-yag occurred that time after the zero of the table. The days of the week are to be succeed from Priday.

The solar stargons are required at length to find the heginning of the buisholar

year, as explained in page 190, and in the text of page 181.

To find the beginning of the Solar year, however, it is sufficient to take out the figures between brackets (with the phone and pale where accuracy is required) for the call years of the country; and add them to the epoch of the merced century in the following table as explained in page 180.

Table IX. - Equals of Hindh Solar Years occurring in centuries before or after Christ, J. S.

To be used for finding the legioning of any year, without reference to the commencement of the Kali-yag.

Alemental page better Christ	Salar Salar	Epocho.	State (4 Mann.	Dark Spran	Ash Ken	makes Similar	Kymba.	Date in Marrie
1000	5100	(i) 20 25	5	300	2401	222	(6) 37 50	16
100	2201	(t) 12 30		400	3.509	322	(6) 29 85	1.7
800	2301	(1) 04 34	7.	500	3601	422	(6) 21 40	18
700	2401	(0) 55 10	7	800	3701	3592	(6) 12 45	19
600	3501	05:48 40	8	796	3801	822	(6) 65 60	20
500	2691	(0) 40 50	0.	.800	3901	722	(8) 87 55	20
400	2701	(0) 52 34	1.0	906	6003	622	(5) 50 na	24
300	2901	(0) 25 50	31	1000	6101	322	(6) 42 05	2.9
200	2901	(0) 17 05	1.2	\$39K	4201	1012	(6) 84 10	23
1.00	3001	(0) 00 10	1.3	1200	4403	2.155	(3) 26 15	24
4.D. 0	31.01	(0) 01 15	14	1300	4401	1222	(b) 18 20	2.5
003	3201	(6) 50 20	14	1400	9.501	1592	(6) 10 25	26
200	3301	(4) 45 25	1.5	1,5893	4603	1122	(5) 02 30	27

Prom 1600 A.D. the General Table furnishes a continuation of the above species.

Note.—When this table is used, the days of the week are to be counted from Smidny:

Example.—On what day does the year 4250 K. Y. commence?

Counting from Sunday, it begins on the (4) 14 55, fourth, or Thursday falling nearest to the 23rd of March, s.n. 1149.

PESTICALS.

Enchambrant, the should be a

Villaged year begins, I.

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蛙 MIXTUS. 驗 哥 늘 68 20.0 超 岩 ы 38 WILLIAM B 世 售 鰛 12 TREESTAND

EXPLANATION:

The divisions on the subtracest edge of the paper show the carrost astronomical lengths of the Hindu-solar months, agreeing with the quantities in the column handed Collective Doration.

The scale of days, gives the nivil division of the mouths when the astronomical year commences at or some convince, it is highle to variation when otherwise; but the first and second three-mouthly periods always contain 24 and 28 days respectively.

The names of the months in Benghi and Tamil, and their astronomical duration, are given in the column of months.

BULE

To find the European dele of any dry in the Kell-yng, Scho, Benguli son, or Fileyoty or Tomil area : or vive serel.

Set the index, or let Byeakh, to the initial day of the Curtelian year catracted from the General Table, or found by means of the Table of Epochs in a opposite page; and read off the date required.

To resolve the Hinds what date concurring with any day of the luni-solar year, Samput or Faals, set the index of the luni-solar scale (p. 187) to its expounded day in Chaitza and read off the day required, which will however be only an approximation, as the longths of the lange months vary in a trilling degree.

Times XI -To grad the dies of the work for any data from 5000 hr. to 2700 h.p. First Part-for New Year's Hoy of any Trair.

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If the given year is a fear year, and the month Jacobs or Polerary, it must be looked for nother January, it. Your Polymery, L. Y. A keep year after Christ in marked by a dat on the right bound; on Christ, by a dat on Carbon.

XII -CHRISTIAN ORDINARY SOLAR YEAR.

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The regard medicines consistency that they aff the words, by samply senting the account they aff the practic in the proque Described days, the projecting day being proported Studies. The orders healed "they's series to reduce the number of days between my given internal, which may other be done by just specimen, or by a pair of compasses.

When the Christian seem is been stilled in the regular delay should be the month of February, me the most we militare the resulting Christian day there by the rails.

OFFICE TABLE OF THE HUMA.

Note .- The Hijra Chronological Table has been collated with that published in Playfair's 'Chronelogt,' as several errors of the press were discovered in Warren's 'Kala Sankalita.' The dates are expressed in old or Julian style up to the year A D. 1750, after which they are continued to new or Gregorian style.

In the initial ferie, I stands for Sunday, 2 for Monday, etc.

For an explanation of the Muhammadan era, see page 144, and for the application of the present table in conjunction with the calendric scale for the lunar year, see pages 175 and 185.

There are errors in many other published tales of the Hijra, and as those consulting them may thus be led to wrong results, it may be as well here to notice a few of the discrepancies which a curacry examination has discovered. Thus in Tables of the Christian and Muhammadan Eras,' published in Calcutta in the year 1790, by James White, the year 1800, a.p., is made a leap year, and all the Christian dates subsequent thereto are consequently in error one day, being in defect.

In the Sudur Dewance tables, the irregularities of the earlier Hijra dates cannot be reconciled on any principle of a single mistake pervading them; and so the false dates have been in a manner officially promulgated at the head of the Government Regulations, it becomes the more necessary in point them out in a conspicuous manner. Tables begin with the year 1765. The fullowing are the corrections required for the first day of Muharram, up to the year 1197 :--

```
1155 for 20th Mar., read 14th Mar. 1774.
1178 for 5th July, read 10 July, 1764.
                                              1480 .. 9th Mar. ..
1100 ... 18th Feb. ..
1179 .. 24th June, .. 20th June.
                                                                          4th Mar.
                                                                         21st Feb.
1180 " Jed June, "
                           94th Figure
                                              1191 ... Joth Feb., 11
1192 ... 4th Feb., 11
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1180 ... 2nd Jene, n.
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1182 ... 22nd May, ...
1182 ... 13th May, ...
                                                                         MOth Jan.
                           LOUIS MAN
                                              1150 ., 22ml Jen.,
                           7th May.
                                                                         19th Jan.
                                                                     44.
1184 ... Bed May, ...
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1184 ...
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                                              1184 ., 11th Jan., o
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                          140h April.
                                              1105 , 20th Dec.,
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1186 **
                           6th April.
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                                                                         17sb Dec.
          2nd April, n
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                          256h Mar.
1187 , 30th Mar., o
                                              1197 o Mile Detry
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After this, the differences seldem exceed one day, and are caused by the wrong years being made bissextile. The jalus years of Shah A'lam are all one year in advance.

Captain Jervis' Tables, printed at Bombay, are correct, differing only occasionally in the position of the interculary years.

The following, I am informed, is the mode in which the Sudar Dewards Almanack is prepared. The Pandit of the Court, at the beginning of each English year, submits on alternanth for the English and native Eras. One copy of this is kept in the office, and another forwarded to Government.

It may be noticed that the popular commonoment of the Hijra year occurs on the first sight of the new moon; but this cannot affect its chronological deter-

mination.

Table XIII.—Of enverspendence between the Hijrs and the Julian and Gregorian Kalendars of Europe, showing the first day of each year of the Hijrs Kalendar.

REPRA	Cu	ADDRESS ES	ik.	Eural	100	STREET, ST.	0_	Birra	0	enterial Ra	4
YEAR.	Your.	Busic.	Dur.	Thin.	Year.	Much.	Sky.	3813.	Year	Month	Du
1	592	16 July	. 6	24 B.	075	25 Nov.	. 1	111 B	720	& April.	1
2 B.	893	a July.		57	670	14 Nov.	3 6	112	780	26 Murch	l i
4	624	24 June	11	48	671	3 Nov.	33	115	781	1.5 Murch	
4	824	13 June .		60 B.	678	23 Oct	351	114 B		3 March	400
S B.	626	2 June.	151	60	679	12 Oct		114	783	21 Feb	
6	627	23 May.	17	6L	680	1 Oct.	131	116 B	200.00	10 Feb	
7 B.	825	II May.	4	er B.	681	20 Sept.	6		735	31 Jan.	-
8	629	1 May	3 2 1		682			117			
9	630			63		10 Sept.		118	780	20 Jan	11
0 B.	631	20 April		64	683	30 Aug.	1.21	119 %	137		n . :
		G April	2011/2011	96 B.	681	4b Aug.		1:00	787	20 Duc.	
1	633	29 Marel		56	686	6 Aug	131	121	738	10 Dec	
2 10	635	19 Murch		67 31.	65/6	28 July,		122 B.		7 Dec	
3 B.	634	7 March	1 3	68	687	18 July.		123	740	26 Nov	i.
4	635	25 Feb.	. 7	59	68.8	6 July.		124	741	In Nov	
là .	650	I4 Feb.	H B	70 B.	683	25 June	d 51	125 B	742	4 Nov	
0 H.	637	2 Peb.,		71 0	690	16 June		126	742	25 Oct	4
7	638	28 Jun.,		74	664	4 / 1000	10.00	127 B		15 Oct	U
9 II.	639	12 / m.		72 3.	80/2	25 May.		128	744	3 Oct.	13
9	040	2 Jun.	G 3	74	894	33. May.		129	746	22 Sept	43
100	640.	21 Dec.		76	694	2 May.	7.	140 B.	747	21 Sept	33
11. III	541	10 Dec.	. 2	76 R.	695	21 April		131	148	31 Aug	
Dail.	642	30 Now.	2	77	4100	10 April		132	740	20 Aug	
13.	643	10 Nav.	3.4	78 31.	1007	50 Marc		157 B	.750	9 Aug	43
14 B.	644	7 Nov	3.1	79	does.	20 Mars	6 4	136	784	30 July	Шi
1.K	045	28 Oct.,		80	0592	9 Marc		1115	742	18 July	1
26 B.	646	47 Oct		B. St.	700	Marian A.	18	130 B.		7 July	
17.	047	7 thek.		89	701	14 Feb.	33	137	744	27 June.	
38	848	25 Sept.	7.8	83	700	# Feb.	37	138 B	750	16 June	
29 B.	649	14 Bept.	1 2	84 B.	783	24 Jan.	3.4	129	756	5 June.	0
30	650	A Hope,		84	784	14 Jug.	1	140	707	20 May.	
81 -	651	24 Aug.		86 B.	1222	2 Jan.		341 B		14 May	
32 B.	652	12 Aug		87	705	25 Dec.	4	142	759	4 May.	
33	683	Z Aug.		53	765	12 Det.,	317	143	700	22 April.	
84	854	22 July		80 B.	707	I Die.		144 B		11 April.	
35 H.	655	II July.		90	705	20 Nov.	and the second	145	762		
16	686	30 June	3	91	700	2 Nov		146 B	1 6	21 March	
37 B.		16 Fane		92 B		20 Out	1 4			10 March	
38	658	9 June		03	711	20 Oct	3 3	147	764	ALC: COLUMN TO SERVICE	
39	659	76 Mar	33		712	19 Oct		148	765	27 Peb	
40 B.		29 May.	7 i	94 95 B.		7 Oct.	- 1	149 B		16 Feb.,	
41	661	7 May		05 B.		26 Sept.		1.50	767	6 Feb.	N.
47	662	26 April		10 22 4	715	16 Sept.	-1	1.51 1.50 Ti	768	26 Jan	1
43 B.	663	16 April			ALC: U	5 Sept.		152 B		14 Jm	14
44 D.	664	EL CONTRACTOR TO SERVICE		98	706	25 Aug	3	158	770	4 Jan	4
43	665	24 Mare		20	717	14 Aug		1.04	770	24 Dec.,,	
46 B.				100 B		S Aug.		166 B		13 Dec	
47		15 Mars		101	119	process to the same of		1.56	772	2 Dec	9
	667	5 Mure		102	720	12 July		1.57 B		21 Nov	4
48 B.		20 Feb.	- 1	103 B.		1 July		1.58	774	11 Nov.,	4
49	669	9 Feb.		104	782	21 June		1.09	770	31 Oct	9
648	670	29 Jun.		195	723	10 June	. 6	160 B		19 Oct. ,.	4
51 B.		18 Jan.		106 B.		26 May.		161	777	0 Oct.	40
52	672	8 Jan.		107	7:25	19 May.	7	162	778	28 Sept	
63	672	27 Dec.		106 B.	726	S May.	4	163 B	779	17 Sept	
54 B.		16 Dec.,		105	727	28 April	. 2	164	780	5 Sept.	4
55	674	6 Dec.		110	728	16 April		165	781	26 Aug	

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166 B.	783	15 Ang	3	236 B.	840	31 Oct	1	286 B.	899	17 Jan	1
67	783	S Aug		227	BAL	21 Oct		287	900	7 Jan	
68 B.	222	24 July		228 B.	1000	10 Oct		288 B	000	26 Det	0
69	785	14 July		229	843	30 Sept		289	901	16 Dec	
70	786	2 July		230	844	15 Sept	5	290	902	ā Dec	
71 B.		22 Juns		231 B.		7 Sept.		291 B	D	24 Nov	
72	788	11 June		232	646	28 Aug		292	004	13 Nov	
73	789	31 May		233	847	17 Aug		393	905	2 Nov	34
74 B.	The second	20 May		234 B		ii Aug		294 B.		22 Oct	
76	791	10 May		235	549	26 July		29-3	907	12 Ort	1 :
76 H	702	28 April	7	236 B.		15 July	18	296 B	208	30 Sept	
77	793	18 April.	1 6	257	951	6 July	100	1297	000	20 Sept	
78	794	7 April.	10	228	805	25 June .		209	910	9 Sept	
79 B.	295	27 Murch	6	239 B	2.22	12 June .		200 R.	40 4 10	20 Aug	
80	796	16 Murch	1	240	854	Z Just:		300	913	18 Aug	
81	797	& Murch	li l	245	938	22 May		301	910	7 Aug	
82 B.		22 Feb	10	242 B		10 May		302 B.	100 200	27 July	
82	799	12 Feb		243	887	30 April.	6	303	915	17 July	1
40.1		i Feb	151	1 2 2 2 2 1	858	19 April.	3	504	¥16	A July.	1
84	800	nm Ten	1.51	264 245 B	859			305 B.		24 June.	
85 B.	108	20 Jan	1	245 B.	860	38 March	7 5		916	14 June	
86 at 15	802	10 Jun	121	240	3.5.7	17 March		200			
87 B	802	30 Dec	121	247.33				307 IL			
88	803	20 Dec	3.1	DATE	502	7 March	1.0.1	308	520	23 Muy	13
89	804	3 Drc		249	963	24 Feb	12	200	921	12 May	
90 B,	804	27 Nav		3.50 M.		13 Feb		210 B.	All the second of	1 May	
91	8045	17 Sam.		201	966	@ Feb		211	923	21 April.	13
92	807	a Nor		262	906	22 Jan		31.2	924	9 April.	1
93 B.	808	25 Octom		250 B.		II Jan.	2	313 B.		29 March	U
94	809	15 Ock		254	365	1 January	(2)	114	F20	19 March	
90	810	& Octavia	(0)	244	968	20 Dec		21.5	927	5 Moreh	11
96 B.	1.68	23 Sept.	0.	266 B.		\$0 Dec	1.71	\$16 B.	935	26 Feb	4.3
97	814	12 Sept	-3.	267	#78	39 Nov		9t7_	928	14 Feb	13
98 B.	51.11	I Bept	10.	258 D.	871	15 Nov		118 B.	M430	3 Feb	
90	814	22 Aug	3.1	369	622	Z.Nor.	0	210	931	24 Jan	Ŀ
60	815	11 Aug		260	878	27-Oct	3	220	933	13 Jan	
01 B.	816	30 July		26 t D.	874	16 Oct	7	321 B	935	t Jan	ы
02	817	30 July	2	262	878	6 Oct.	0	522	983	22 Dec	13
03	818	9 July		263	826	24 Sept	3	723	334	11 Dec.	
64 B.	819	28 June		264 B.	877	13 Sept		7214 BL	P35	30 Nov	L:
0.0	920	17 June	1	265	876	5 Sept.		835	936	19 Nav	U
06 B.	821	& June.		266 B.	879	23 Aug		320 D.	287	S Nov.	в
07	822	27 May		247	880	12 Aug		327	988	29 Oct	
69	828	16 May	17	268	881	1 Aug.		328	939	18 Oct	b
00 R.	824	4 May	4	269 D.	4000	21 July		329 B	960	B Oct.	
103	825	24 April.	2	270	58.2	11 July	15	350	941	26 Sept	
11	826	13 April	8	273	384	29 June .	1 2	331	942	16 Sept	
12 D.	927	2 April	3	272 B		18 June.		332 B.		4 Sept	
13	828	22 March	i.	273	886	8 June.	14	333	944	24 Aug.	13
14	829	11 March	1	274	897	28 May		334	945	19 Aug	
15 B.	100	28 Feb		275 B.		10 May		335 B.	20.00	2 Aug	
200	830	18 Feb		276	689	6 May		\$36 P	947	25 July.	Б
16	831					25 April.		337 B	4 2 20	14 July	
17 B	832	7 Feb	10 20 4	277 B.					1000	1 July	1
18	833	27 Januar		278	891	16 April.		338	949		
19	834	16 Jan		279	892	3 April		389	950	20 June	
20 B.	835	5 Jan		280 D.		23 March		840 B.		0 June	
21	835	26 Dec		281	904	13 March		941	952	29 May.	
22	836	14 Dec		29.2	995	2 March		342	953	18 May	
23 B.	887	3 Dec	2	283 B.		19 Feb		343 B.		7 May	
24	838	23 Nov	7	284	897	8 Feb	. 3	344	956	27 April.	
25	889	12 Nov	4	285	998	28 Jan	17	345	956	15 April.	43

Distract	CH	abetrar maa		Huras.	04	NUMBER OF	4	TOTAL	0	REPUBLISH THE	40
EBAR	Tesc.	Itonts.	Diag	YEAR	True,	Month.	Dig	TRAB	Taur.	Mouth.	195
546 B.	957	4 April .	7	400 B.	1615	21 Jane.	3	466 B	1078	6 Sept	6
347	956	35 March	5	407	3016	10 June .		467	1074	27 Aug	14
348 B	0.50	34 Marth	4	406 B	1017	50 May	16	165 B.	50000	16 Aug.	
319	950	2 March	7.	469	1018	20 May		469	1076	5 Ang	
350	981	20 Peb		410	1019	9 May	7.	470	1077	25 July	
351 B.	962	2 Peb	1.1	411 %	1020	27 April.	14	471 B.		14 July	
852	048	30 Jun	16	412	1031	17 April.	3	472	1079	4 July	5
153	964	19 Jan	5	ALS:	1022	6 April		423	1,090		
354 1	965	7 Jan	7	414.B.	1023	26 March	12	474 B.	1661	11 June	16
355	905	28 Dec		610	1024	15 March		470	1062	1 June	
356 B	Billion	17 Den	2	416 8		s Marth		476 B.	1068	21 May	
3.57	067	7 Des		457	10/25	22 Feb		477	1054	10 May	
258	DCS.	25 Nov		415	1027	21 Pub		478	1085	29 April	3
369 B.	060	14 Novem		415 B		21 Jan .		479 B.	Mary Street,	18 April.	
200	970	& Nov.	5	420	1029	30 Jan		480	1087	& April.	
165	971	24 Oct	3	421	1630	G Jan		461	1089	27 March	2
362 B	972	12 Oct		453 B.		29 Dec		482 B.	-	16 March	6
363	973	2 Oct		423	1033	19 Dec		453	1090	6 March	3
364 564 W	974	21 Sept	2	424	2	7 Dec		486 %	1001	22 Feb 12 Feb	
366 B. 366	976	10 Sept		426 B.	1034	16 Nov		486	1003	1 Feb	
367 B.	977	10 Aug.		427 B		6 Nov.	14	487 B.	9 2 2 2 3	21 Jan	7
368	978	9 Aug.		426	1000	25 Oct.	121	488	1095	11 Jun	0
369	970	29 July	ă.	122	1007	14 Out	121	410	1005	at Dec.	2
570 B.	950	17 July	7.1	120 B		3 000	191	400.31	1005	19 Dan	0
371	991	7 July		431	1039	23 Kept		491	1097	9 Dec	4
37%	083	20 Jum		432	1010	11 fivpt		432	1098	28 Nov	1
375 D.	0.87	M. June.		333 IL	1041	31 Aug.	3	400.30	1000	17 Nuv	- W
374	951	A June	A	134	1913	El Aug.	7.8	408	1100	6 Nov.	8
37.5	985	24 May	A	498	18687	Mr Aver	4.5	193	1191	28 Oct	7
376 D.	988	1.0 Mar	10.1	9406 35.	1944)	ma July	A	999 II.	1102	18 00	
377	987	3 May	349	437		19 July	9	407	1102	& Och au	
376 1	989	21 April -		\$30 B	Acres of Section 1	N.Jake	(#)	250 IL.	2	23 Sept	0
379	989	11 April .	-	439	1047	28 June	34	890	1106	13 Supt	*
JMO	990	41 March	3.	440	1000	10 June .	5	500	1100	2 Sept	T
SHI B	160	20 March	9	441 25		& June		901 H	1107	22 Aug.	
382	999	W March		442	1050	to May	31	802	1108	11 Aug	8
383	993	26 Feb.		645	1001	15 May	7	903 504 B	1100	at July	
384 B.	094 095	5 Feb.		444 B.	1053	2 May	1 5	504 B.	1110	20 July	2
386 B.	996	25 Jan.		446 B		III April.	31	505 506.B	1112	28 June.	
387	997	14 Jan		441	1055	B Ayerl.	5.3	507	1112	16 June	4
ZHI	998	3 Jan		848	10.50	21 March	6.5	609	1114	7 June.	r.
380 B.	100000	23 Det		447 B.		19 March	# O	609 B.		Zi May	6
390	990	13 Det		450	1858	28 Feb.	7/	510	1116	16 May	a
391	1980	1 Dec.,		451	1939	I7 Feb	3.1	316	1117	4 May	7.
392 B		20 Nov	5	4.72 B		6 Feb	3.4	512 B.	11183	24 April.	% I
393	1003	10 Nav	3	453	1061	58 Jun . /	4	514	11101	14 April.	2
	1003		7	454	1962	15 Jun	3.	514	1100	7 April .	8
395 B	1004	18 Oct	4	455 D.		4.7m	7.1	516 B	1121	22 March	8
396	1005	8 Oct	2	456	1063	35 Dec		516	1122	12 March	
397 B.		27 Sept	6			13 Dec	2.5	617 B.		1 Murch	6.
398	1907	17 Sept	4		Lang	3 Dec. ,			1124	15 Feb	8
399	1008	5 Sept				22 Nov		519		7 Feb	7
400 B.	10000	25 Aug		460 B	1067	11 Nov	4.4	520 E.		27 Jun	4
101	1010	16 Aug		461	1068	31 Oct	6		1127	17 Jun	2
102	1911	4 Ang	31	462		20 Oct	8		1128	6 Jan	6
103 B.		23 July	3		1076	9.08		523 H.		25 Dec	3
104	1013	13 July	51	464	1071	29 Sept	2.1		1129	16 Dec,	3-1
105	1014	2 July	2.1	965	1072	17 Sept	23	525	1130	4 Dec	0

REZMA	Chi	CHTCLE BOA	-1	Morea	£34	ESSELS EX		Mizni.	CH	SHITLAN ERA	
SHAR.	Tost.	Woods.	Ge2	Tran-	Two.	Mork	Jus	THAL	Time.	Month	Day
526 H.	1131	25 Nav _	2	586 B	1190	S Feb	3	645 B.	1248	26 April	1
927	1182	12 Nov	[2]	587	1191	79 Jan	1 1	647	1249	16 April.	l A
128 B	1133	1 Nos	1.4	ass B.	1192	18 Jan	171	648 IL	1250	5 April.	1.3
129	1134	22 Oct	2	589	Man	7 Jun.	3 6	649	1461	26 March	14
.063	1135	11 Oct	6	500	1193	27 Duc.,	121	630	1252	14 March	13
134 H.	1155	29 Sept.,.	8	301 E.	7.094	TR Disc	. 0	651 B	1253	3 March	13
332	1137	19 Sept	1	591	1195	6 Dvc.		552	1254	21 Feb	17
33	1138	B Sept	18	609	1196	31 Nov	111	1668	1200	10 Feb	T/
134 Hz	1139	28 Aug	1 2	594 B.	1197	Li Nov		654 11.	1256	50 Jan	
30	1140	17 Ang		895	1196	h Nov	10	655	1207	19 Jan	
30 B.	1141	0. Aug		Sec. B.	1100	23 Oct		0.50 R	1258	8 Jan	13
137	1142	27 July	3	097	1500	12 Oct		657	125#	29 Det	1 3
338	1140	16 July	6	398	1201	4 Oct		659	1259	18 Duc	1
539 B.	1344	4 July		599 B.	1202	50 Sypt.	6	669 B.	1250	6 Det.	13
540	11144	24 June.	1	900	1200	10 Sept	1.4	000	1201	20 Nov	43
341	1140	13 June .		001	1204	29 Aug.,	1	det	1262	16 Nov.	1
142 11	1147	I June .	18	1002 B.	1204	IS AUG.	4	662 D	1965	4 Nav.	11
14.8	1116	22 May	1.7	603	1296	A Aug.	1 5	663	1964	24 Oct	19
544	1149	11 May		604	1:297	28 July.	12	664	1265	13 Oct	13
146 Ik	1150	30 April.	0.1	005 H	1205			665 B	1266	2 Oct	33
140	1151	20 April.		60%	1200	fi July		668	1207	22 Bept.	33
147 11.	11.53	W April.		607 5	1210	25 June,		067 E	1259	30 Sept.	OL S
548	1.153	20 March	1.1	609	liggi.	15. June.	34	665	1269	at Ang	213
5416	1164	18 Marsh		400	4212	A Jesus	11	GEP	1270	20 Aug	
550 B		7 March		ero E		25 May.		670 B		W Aug.	
551	1106	30 Fv5		611	1214	13 May		671	1270	29 July	
44.2	1107	In Pub.	14	612	1295	2 May.		672	1273	18 July.	1
555 B	1158	2 Feb	33		1216	30 April	3.4	673.B		7 July	
554	1149	23 Jun	. 0	614	1217	10 April	3.2	67.6	1275	27 Janu-	
600	1100	12 Jan.,		614	1918	no Marci		676	1276	15 June.	
4T 956	1100	51 Dec.,		616 B		Bridge and the	0.0	670 D	10000	4 June.	
557	1161	21 Dec.,		617	1220	5 Marc		077	1278	25 May.	_
458 D.	1102	10 Doc			1003			078 B		14 May.	
000	1100	30 Sur	17	610	1222	15 Peh .		679	1,280	2 May	
860	1164	18 Nov.		620	1225			680	1281	22 April	
561 B	1165	7 Nev		621 D				681 D	4 4 5 5 6	11 April	
562	1166			622	1235			653	1283	A April	
AUA	1107	17.0ef.,.		485	1929		1 6	688	1294	20 Mans	
564 B	8 2 2 2 2 2	& Oct.			1926	22 Dec.,	1 1	694 B	The second second	9 March	
564	1.169	26 Sept.	à	625	1277	12 Dec.,		086	1286		
566 B				626 B				CRG D		16 Pub.	
net.	1171	The second second		827	1229		38	687	11255	ff Peb.	
568	1172			623	1230	- C 144	3.7	655	1280		
569 B				629 B	C to Company			699 D			1
870	11174			630	1232			600	1291	4 Jan.	
071	1175			631	3235			491	1291	34 Dec.,	
572 B		The second second		The second second	1231	The second second	1 2		1292		
	11177			633		16 Sept.		693	1295	2 Dec.	
574	1178		15	634	1230	4 Sept.	1 6	604	1294	21 Nov.	Ä
	1170			The second second	1207	26 Aug	7 4		1395	10 Nov.	
676	1180				1238		37	693	1296		
	A COLUMN									16 Oct.	П
578	1181			637 H			34		1207	19 Oct.,	7
	1182	The second second second second			124			604	1,956	5 Oct.	9
579 E				630				699	1299		
	1184	The second second second				the second secon			1300		
581	1186				1243			701	1.501		
582	1180		-		1244			702	1302		
	1187				125	29 May.			1303		10
584	1188				1286			794	1304	4 Aug.	
985	11180	19 Feb.	-4.1	645	1247	8 May	6	705	1,000	24 July.	

Heans.	- 0	THE STATE OF THE	-	Birth	CH	STORY SEC		Bires	(C)	BUILD OF ER	G
THAR.	Year.	Month.	Dist.	Year	Stor.	Month.	Duy.	TALK	Vers.	Breck.	In
700 B	1306	13 July	+	766 B.	1364	28 Sept	7	526 B	1422	In Dec	1
#07	1807	3 July		767	1365	16 Sept.		827	4423	5 Due	1
708 B.	1308	21 June	18	768 B		7 Sept.	12	518 H	1474	23 Nov	
700	1309	37 June	1 4	769	1367	25 Aug	7	820	1425	Id Nov	1 3
710	1910	31 May		770	1368	16 Aug	121	200	1426	2 Nov.	13
711 IL		20 May		771 B.		4 A	1 :	830 830	1427	22 Oct. 4.	1
712	1312	9 May	101	773	1370	& Aug	131	291 B		The Contract	13
713	1313	Comment of the Control of	171			28 July	15	932	1428	II Oct	13
714 B.		28 April		775	1071	15 July		827	1429	30 Sept	4.3
716		17 April.	1.5	774 B.		3 July		834 B.	1430	19 Sept	13
	1315	7 Agett.	2	770	1378	23 June	6	535	1431	0 Sept	1
716 B.		20 March	6	276 B	1374	12 June	2	836 B.	1452	28 Aug	14
717	1317	16 March	131	777	1376	2 June.	7	817	1023	16 Aug.	Ð
718	1918	6 March	[6]	77#	1376	21 May	14	576	1484	T Aug	
719 IL	1919	22 Feb	1.51	770 B.	1077	10 May	13.1	639 B.	1455	27 July	13
720	1320	12 Peb	2	780	1378	30 April	6	640	1436	16 July	
721	1321	31 240	7.1	78 L	1379	19 April.,	2	841	1437	6 July	LX.
729 B.	1322	20 Jan	4	782 Ti.	1380	.7 April	7.	842 B.	1438	24 Juno	1
729	1323	10 Jun	2	793	1381	78 March	6	843	1439	14 June	
724	1323	36 Du	6	784	1383	17 March	2	844	1000	2 June	
726 B.	1324	18 Due	α.	784 R	1389	6 March	161	945 D.	1441	22 May	13
726	1334	# Die		786	1264	34 Febru	141	840	1442	12 May	
727 B.	1.526	27 Nov	81	10000	1885	to Pob.	164	847 B.	1443	1 May.	П
726	£297	17 Nov	161	788	1280	2 Feb.		848	1444	20 April.	13
739	1328	& Nov.	191	780	XDSZ:	The second second	154	549	1440	and the second second	
7 no E.	1220	26 Dut.	140	700 B	1285	Il Jun.	151	The second second	0.000	Control of the last of the las	M
731	1330	14 October	191	2.3 - 30-	1288		13.1	850 B.	1446	29 March	13
782	0.000	4 1000	(24	791		34 Der	3	m61	3 4 6 7	19 March	13
	1331	4 Oct.	1	792	1200	20 Dec	21	K0'S	1,848	7 March	13
733 B.	1332	22 Sept		799 EL	-	9 Die		RVP BY	1440	24 Feb.	(5
467	1333	12 Pept	131	794	1201	20 Nov.	2.4	904	1440	14 Pob.	(1.7
73,5	1334	1 Sept.		794	1998	17 Nov.	2	MAG	1461	5 Feb	1 1
136.8	1835	51 Aug		790 D.	12945	6-Nor_	2.	MOC E.	1492	22 Jun	13
192	1336	10 Aug		797	\$304	27 Oht.	71	847	1403	12 Jen	1.6
138 1	1337	30 July		795 11.	T2045	16 Co.	7.1	958 E.	1464	I Junior	1
139	1358	30 July	12.1	799	1,004	A Oct	0.1	859	1464	22 Dec	1
740	1339	9 July	6.	100	1597	24 Sept	2.1	MOD	1465	11 Dec	- 6
41 11.	1840	27 June	3	601 D.	1200	12 Sept	.6	801 31.	1450	20 Nov	1 0
742	1341	17 June	1	602	130%	3 Sept.	4	5012	1467	19 Nov	1 9
143	1842	6 Junu	0	803	1400	22 Avg	Ϋ́	863	2458	8 Nov	G
144 B.	1343	24 May.	9.1	804 71.	1400	11 Aug	5	864 B.	1459	28 Oct	i
145	1364	id May.		866	1492	1 Aug		865	1460	17 Oct.	1.
146 Bt.	1345	4 May		8116 TL	1400	II July		566 II.	1461	fl. Our	-0
47	1346	24 April	2	507	1404	10 July	3	567	1462	6 Oct 26 Sept	1 2
48	1347	13 April.	8	NUS.	1465	29 June	2		1463	16 Boot	3
49 B	1345	1 April	3	sou B	1406			868	W. C. W.	15 Sopt	-0
50	1349	22 March	121	200	0.000	15 7 mm.		800 H.	1054	S Sept	
51	1350		4	8.10	1407	S.June	ěΠ	370	1,465	24 Aug	17
82 B	W 100 100 100 100 100 100 100 100 100 10	11 March	21	811	1100	27 May	3	B71	1955	18 Aug	134
0.00	1351	28 Feb	3.1	812 B.	1400	46 May		372 B.	1467	2 Aug	1
53	1352	18 Feb	31	813	1410	6 May	3	873	1408	22 July.u	
54	1353	6 Feb	21		1411	25 April	2	874	1469	14 July	3
35 B		26 Jan	4.1	815 B.				875 D.	1470	30 June	7
56	1886	16.2 an	6	816	1413	3 April	2	576	1471	20 June	5
57 B.		& Jan	3	817 B	1414	28 March	6	877 B.	1472	S June	2
58	1356	26 Dec	1 0	87.5	1415	13 March	41	878.	1473	29 May	7
59	1357	14 Dec	4 5	819	1416	I March	i II	679	1474	18 May	1
60 B.	1858	3 Dec	2	820 B.		15 Feb		980 B.	1476	7 May	1
61	1359	23 Nov	7	821	1615	8 Feb.	2	881	1476	26 April	1
62	1360	11 Nov	4	622	1419	28 Jan	GI	881	1477		
	1361	31 Oct	î	923 B.		17 Jan.		The second reference to		15 April.	
64	1382	21 Oct	è	824	Security of	of Jen	2	883 B.		4 April	7
65		10 Oct	2		1421	d Jan	2	884	1479	25 March	-5
90	* 2010	with Michael	9	825	1421	26 Dec	9.1	885	1480	13 March	2

THERE	- 64	CHRESTAN NO.	-	ME784	10	CARTTAN ES	61	FUBA .		DANGETYA DOS	ki.
TEAR.	Year.	Shotte.	Duy.	ZEAR.	Day	Minst.	Day.	2346	This	Month.	Da
886 B.	1481	2 March	E	946 B.	1539	19 May	2	1006 B.	1597	4 Aug.	10
887	1482	20 Peb	1.4	1947	1540	S May		1007	1.598	25 July	3
888 B.	1488	9 Feb	1	SAS B.	1541	37 April.	1.4	1009 K.	1389	14 July	
889	1484	80 Jan	16	948	1542	17 April.		1000	1600	3 July	
890	1485	18 Jan.		956	1649	6 April.		1018	1601	22 June.	
891 B.	1486	7 Jun		851 H	1544	25 March		1014 B.		14 Jame	
	1486	28 Dec		800	1540	15 March		1013	1603	4 dane	
892				952	1546	4 Murch	8	1013	1604	20 May	
893	1487	17 Der				No. Bridge	0.40			S May	
894 B.	1488	& Dec		364 B.	1347	21 Fob		101+B.		9. May	
995	1489	Ba Nav		965	10-48	11 Feb		1015	1000	29 April.	
890 B.	1490	14 Nav.		966 B.	1249	NV Jan.		1016 26	1007	18 April	
197	1491	4 Nov		957	1830	29 Jan	1 2	1017	3600	7 April .	13
R98	1493	25 Oct	1.0	966	1001	9 Jan	(A)	1019	1600	27 March	1 1
100 B.	1495	32 Oct	7.1	950 B.	1861	29 Dec	(X)	1010 3	1010	10 March	1.8
900	1494	2 Oct.	1.0	1960	1551	18 Dec.	11	1020	1011	0 Marsh	14
101	1495	21 Sept	2.	041	1993	7 Dun.	1.47	1021	1012	25 Feb	lπ
902 B.	1476	7 Sept		903 B	1854	26 Nov	2.	1022 D.	1613	11 Feb	
100	1497	30 Aug	1.00	1603	1656	16 Nov.	0.5	1013	1014	1. Peb	
	1498		li	004	1.554	4 Nov.	14	16r24	1610		
104		19 Aug -	11.5	200	1447	24.0/5	15	1075 B.	90000	10 Jan	
ю В.	1499	8 Aug		500 B.					130000	90 Des	13
101	1500	23 July	2	966	13/88	14:048	(8)	1.025	1617	30 Dec	13
107 H.	1461	17 July	131	907 B.	1000	If Oct. or		1027 10		10 Dec	13
109	1965	7-July		DOL.	1,540	ZZ Sypt	9/3/4	1038	3018	9 De	0.3
109	3.04.9	26 June.	12	2019	1004	14 Sept.	8.53	1829	1019	28 Novas	13
110 R.	1504	14 Junior	100	970 B	1,042	BI AWE	121	HOMO D.	7620	16 Nov	Į I
110	1705	4 Junior		1973	1462	21 ANE	1.51	109.1	3621	6 Nov	13
112	1/106	24 Mag.	13.1	973	1004	P.Ang.		1002	1072	26 Oct	1.7
113 D.	1691	13 May	I A	978 B.	1,065	29 July _	11	1683 25.	1023	16 Oct	
114	1509	2 Maria		974	1366	19 July	1.6	1034	3624	4 Oct.	1
	1600	design to the state of the stat	1 5 1	976	1567	8 July		1005	1625	23 Sept	11
010		The second second	17	DTG B.	1569	26 Junio	151	1036 B.	100000	12 Sept	
Ho II.	1410	10 April			1,500	16 Juni.	15	The second second			
117	1411	31 March		977	Property and the second		9. 2.4	1037	1027	2 Bujd.	13
110 B	1012	19 March		978 B.	1070	A June		1058 B.	1628	23 Aug	
160	1012	9 March	1.5	979	1611	26 May		7853	1629	11 Ang	13
120	1414	36 Feb		1480	1472	14 May	8/4/	1040	1630	31 July	[3
21 E	1015	16 Feb	14	3963 B.	1574	3 May	11	TOUT IL	1033	20 July	Į.)
122	1516	5 Feb		582	1574	23 April.	8	6.040	1622	D July	3
123	1617	24 Jan		993	1575	13 April.	5	1043	1633	28 June .	16
24 B.	T. Kan Co.	10 Jan		984 B.	1570	21 March	17	1944 FL	1684	17 June	
125	1519	3 Jan		0.66	1677	21 March	15	1045	1635	7 June.	
126 II.		23 Dec		586 B	1578	10 March	12	1849 [1	1656	26 May	1
	1020	42 Dec	100	987	1479	28 Feb	191	1047	1637	16 May	13
127				The state of the s	1.580	17 Feb		0.000	1638	5 Mere	13
128	1521	1 Dec u		198				1948		5 May	
短原 政	1412	20 Nov	18	049 B	TARE	f. Feb.	13	1040 B		34 April	13
130	1523	10 Nov		990	1582	29 Jan	2.1	1086	2540	13 April	13
31	1024	29 Oct		201	1383	15 Jan		1691	1641	2 April	54
132 B.	1323	18 Oct.	4.	993 D.	1.594	4 Jan.	7	1052 B.	1642	22 March	13
139	1.6:26	8 Oct.	2	903	1684	24 Dec	5	1988	\$543	12 March	U
174	1527	27 Sept		504	1085	13 Dec	2	1934	1644	29 Feb	11
	1528	14 Sept		900 B.	1,580	2 Dog	5	1865 B.	152.324	17 Peb	13
	1529	5 Sept.	î	596	1587	23 Nov	A	1056	1646	7 Feb	H
36 de H	12000			997 B.	15kg	10 Nov	î	1057 B		27 Jan	N
137 H.	1510	25 Aug		100000000000000000000000000000000000000	E -			A lander of the land			
138	1631	16 Aug		95/6	1589	31 Oct.	5	1.058	1648	57 Jun.	
139	1532	3 Ang		909	1.590	26 Oct	181	1009	1649	5 Jan	(!
146 B	1533	23 July		1000 B.		9 Oct		tone R	200 200	25 Dec	
141	1534	13 July	2	1801	1592	28 Sept		1061	1650	16 Den	
142	1.534	2 July	5	1002	1593	17 Sept	2	1/462	1651	4 Dec	1.5
143 B.	1536	20 June		1003 B.		6 Sept.		1063 B.		22 Nov	2
944	1537	10 June.		1004	1595	27 Aug		1064	1653	12 Nov	7
	1588	30 May	5	1006	1,696	14 Avg		1005	1654	1 Nov	1

DETEN	Cars	OTOTAN GRA	1 -1	Biszna.	Ces	HETOER MAN		Hiresa	04	RIVITAN KKA	
NPAR.	Vene.	Month.	bu.	West.	Euro I	Streets.	Dut.	TECL	Vens.	Month.	De
066 B.	1655	21 Oct	14	1426 B.	1714	6 Jan	4	1156 B	1772	w April.	1
067	1656	10 Out	. 6	1127	1715	27 Dec.	3 2	1187	1773	25 March	
068 B.	1657	29 Sept.	3	1128 B.		16 Dec.	18	1188 B		14 March	1 .
069	1658	19 Sept.		1179	1716	& Dec		0811	1775	4 March	
070	1659	8 Sept.		1130	1717	26 Nov	1i	1190	1776	21 Fcb	
071 B.	1660	27 Ang.		1431 B.		12 Nav.		1101 B.	and the second second	0 Feb	
072	1661	IT Aug.		1139	1710	3 Nov		1192	1776	30 Jan	
073	1002	6 Aug.		1133	1720	22 Oct	3.94	1190	1779	19 Jan	
074 B.	1003	20 July.		1134 B	10000	31 Oct.		1194 B.		8 Jan	
070	1004	M. July.		1135	1723	T Oct.		1195	1780	26 Dec	ъ.
076 B.	1005	4 July.		1136 B		20 Sept.		1196 B		17 Dec	ŀ
077	1000	24 June		1107	1724	9 Sept.	3 4	1197	1782	7 Dec	
078	1007	13 June		1138	1725	29 Aug.,	171	1198	1783	26 Nov	
079 D.	1008	1 Jane		1139 0		18 Aug.	3.6	1100 B.		14 Nov	
080	1009	22 May.		1140	1727	A Aug	9 21	1900	1785	4 Nav.	ī
085	1670	11 May.		1143	1728	27 July	11.51	1201	1786	24 Oct.	3
one H.		30 April		3142 B		16 July.		1202 II.		15 Oct	3
013	1672	10 April		3143	1730	# July		1203	1798	2 00	3
084	1673	8 April		1148	1731	25 June.		1204	1789	21 Supit	Ъ
095 B.		28 March		1145 B.		13 June.	18	1205 B	1 400 40	10 Bapt	ŀ
086	1075	10 March		1146	1735	2 June .	1i	1200	1791	51 Aug	7
087 B.		d March		1147 B	725	21 May		1207 B.		10 Aug	1
088		24 Veh		1148	1735	12 May		1206	1793	D Acres	1
44111	1677			1149	1730	1 May	95.	1200	10000	29 July	2
989	1078	15 Feb	1.3	1140 B		20 April	141	The second second	3794 1794	15 July	4
000 B.		2 Feb		1161	1738	1	121	1210 2		7 July	1
001	1680	27 /46			1700	16 April		1211	3796	7 July	1
09% 00% Ft	1681	11 Jan.	1 3	1142	1740	20 Marsh 28 March		1212	1797	26 June	
095 B	1091	51 Dest.		1144 B	1000	10 mm		1212 3	22/11	18 June	
094	169/2	21 Dellas		2164	1791	Maria		1214	1709	o June.	4
006	1093	10 Dema.	43	1145	17.60	M. Poh.	NI 5.1	1216	1800	25 May	ŧ.
OUG H.	1884	20 Nov.	15	1106.0	A CONTRACT OF	14 Fals.	121	1916 30		14 May	
997	1085	18 Nov		1147	1744	4 Post	13.1	1937	3802	A Muy	
ous B.	10.60	7 Nov.		1155 B.	1 2 2 2 1	25 Jan	341	1219.70	1	25 April.	
000	1687	28 Oct		11/0	1745	12 Jun		1230	100#	12 April.	
100	1688	16 Out		1140	1747	2 715		1220	1805	1 April.	
101 H	1689	a Oct.		1161-3	2	22 Dec	13	1221 B		21 March	
102	1650	25 Sept.		1162	1748	11 Dec.,.	11	1222	1807	11 March	
103	1001	14 Sept.,		1163	1749	20 Nov	4.2	TAIN	1909	26 Feb	
104.8	1602	2 Sept.,		1164 B.		19 Nec.	481	1724 B.	A second	16 Feb	43
105	1093	23 Aug.		1165	3751	9 Ner	431	1228	1810	6 Feb	4
100 B	1094	12 Aug.		1166 B.		S NOT B.		1226 B.		26 Jun	1
107	1005	2 Aug.		1167	1759	29.000	. 2	1227	1812	16 Jan	4
108	1696	21 July.		1168	1754	The Oct.		1225	1913	4 Jan.,	ı
109 B	1697	10 July		1160 B	A CONTRACTOR OF	7 Oct	1.2	1450 Jr		24 Decar	Ŀ
110	1698	30 June		1170	1786	26 Sept		1230	1814	14 Dec	ŧ.
MI	1090	19 June		1171	17/57	15 Sept.,		1981	1515	3 Dec.	æ
112 B.	1700	7 Jame		4172 B		4 Sept.		1202 3		21 Nov.	4
113	1701	28 May.			1769		17	1933	1617	11 Nov	1
114		17 May.		1174	1760	13 Aug	4	1284	1816	31 Oct	2.1
115 B		6 May.		4175 B	1761	2 Asg.	2.10	1285 B.		20 Oct	10
116	1704	26 April		1176	1762		4.5	1236	1820	9 Oct	1
117 B.		14 April	- 7	1177 B			12	1227 B		28 Sept	1
118	1706	4 Apeil		1178	1764	L July.	1.1	1238	1822	18 Sept	à i
119	1797	24 Marci		1379	1765	20 June	. 5	1289	1823	7 Sept	4.0
120 B.	1709	12 Marc		1180 B	1766	9 June.	2	1240 B.	1824	26 Aug	4
121	1709	2 Mare		1181	1767	30 May.	7.		1825	16 Ang	1
1122	1710	19 Feb .		1182	1768	18 May.,	. 4	1243	1825	5 Aug.	
123 B	1711	8 Feb ,	5	1183 B	1769	7 May.		1248 B.	1827	25 July	1
1124	1712	28 Jan	3	1184	11770			1244	1828	14 July	10
1125	1713	17 Jan.,		1185		16 April			1829	3 July	9

Digna.	CH	SERVICED TORS	-	Bons	O	CONTRACT ENGINEER	2	Bress	Carr	TITLE ETA.	
1246 B. 1247 1248 B. 1248 B. 1240 1250 1251 B. 1252 1253 1254 B. 1256 B. 1256 B.	Year	Honia.	Tity	3343	True.	South	Day.	Ditte	Time.	Buch	Dro
246 B	1830	22 Jun	3	1271	1554	24 Sept	31	1290 B.	1578	5.Jan	7
247	1931	12 June.		1272	1855	III Sept		1296	1878	26 Dec	1 5
	1832	at May	3	1378 B.	1836	1 Sept	2	1297 B.	1879	15 Dec	2
340	1831	21 May	3.	1274	1957	22 Aug		1298	1880	4 Doc	1.7
250	1834	to Muy		1370	1648	11 Aug.		1200	1881	23 Nov	4
251 B.	1695	29 April .	4	1276 B	1850	51 July	3.154	1506 B.	1882	12 Nov	
252	1835	19 April		1277	1889	to July	8	1.50%	1883	2 Nev	1
	1837	7 Apvil.		THE B.	1561	B July	2.2	1302	1884	21 Oct	1
	1833	27 March		1279	LHUZ	29 June .	11	1203 R.	1685	10 Oct	1.7
	4639	17 March		1280	1969	18 June.	1.4	13904	1886	50 Sept.,	D
	1840	5 March	5	1261 B.	1864	6 June.		1306	1687	19 Sept.	14
	1541	23 Feb		1383	1805	27 May	3.61	1306 B	1888	7 Sept.	l i
1258	1842	12 Feb		1283	1900	10 May	4	1807	1889	28 Aug	
2.00 B	1843	1 Feb	4	128 t B	1867	& May.	1	1206 %	1800	17 Aug.	1
1260	1844	22 Jan.	3-6-1	1285	1,965	24 April		1209	1801	7 Aug	П
1261	1845	10 Jas		1286 B	1900	13 April		1210	1992	26 July	П
12003 IL	1840	30 Dec		1287	1870.	A April.	1	4211 B.	1899	15 July	1
1265	1516	20 Duc	1.1	1288	1871	23 Manth		1312	1.804	5 July	13
264	1847	9 Due	18	1280 Tt.		13 March		1313	1.000	24 June	10
1265 1	1548	27 Nov.	3 6 1	1290.	1529	1 Morel	7	1314 B.	1996	12 June.	Ш
1266	1649	17 Nurs	2	1291	3874	IF Peh		1015	1997	2 June.	a,
267 B	1866	6 Nay	100	1297 B	9675	7 Pub		131070	1808	22 May.	34
1268	1951	27 Oct	1.2	1292	1976	an Jen	3/11	1317	1899	12 May	1
1260	1.85/2	15 Oct	0.0	1299	1877	16 Jan.	1.3	1918	1900	I Muy	0.5
1270 11	1803	4 Det.		/	111		13			300	1

NOTE RESIDENCE THE CHROPOLOGICAL TABLES OF THE HINDS MINAS.

In communion of the mast of width is an entero page, it has been found normary to break the following table into two puris, metend of exhibiting in one line and view, the whole mean of the sidernal and lumi-solar arms; which would have been more convenient for reference. In other respects the numbers of the neveral columns, etc. remain as stated in the text.

SOLAR Y	A					DE SINEWEAL	-	-	-	-	_
I.	Lis	III	IV.	٧.	YL.	YIL	VUI	_	D.	X.	×
-,,11	-				termen of	2 BEL		C	CEAR.		_
17		the sur	THEY AL	and the Co	c Mddmil		The	÷	4	100	1
A	2	-			100		Part I		Grahmash	1	design of the
. 5	ditto				90		1. 1	15	2	40	Ιŝ
Contention		1		- 3		bod bout	1960 same,	400	ä	是是	H
9	2	12		12.	10	me of medity senten- senten-	三倍色	36	200	da uf Bestor	Women
ŏ	8	1.0		3	Gay.	1 200	1 1		- 45	-1	18
6200		100	4	1.2	Billial Billial G.X.	A 4 4	129	hatte	Pop.	憩	k
A. Di	Phret	2	1	ă	5	8 5	San W	4	0	0	۴
	1950	4701	1822	1007	Th. 07	B. (4) 64 25	776	10	5	45	8
1.1600	Tu.	4702	1623	1000	Sa. 28	(0) 10 6	777	11	- 6	44	3
1601	Th.	4700	1524	1000	Su. 25	76/ 55/ 37	778	11	7	45	13
1604	Sa.	4704	1635	1010	Mo. 28	[15-41 H	279	11	N.	46	à
B.1004	Sa.	4700	1000	tell	Tu. 27	E 2 40	760	10	9	47	18
1606	Tu	470d	1627	1012	Th. 38	(4) 12 11	2.67	10	10	48	13
1606	We.		1629	1013	Fr. 28	(a) 27 42	788	12	11	49	14
1607	Th.	470%	1529	1014	5a. 28	(6) 12 13	283	11	13	10	13
8.1608	$y_{\rm r}$	4700	1450	1015	Su. 27	B. (0) 68. 45	784	10	13	51	14
1000	Su	4710	1631	Total	Tu. 10	(2) 14 16	785	10	14	62.	1
1610	Mo.	4711	1532	1017	We 28	(利) 29 47	796	15	4.6	83	4
1611	Tu.	4712	1533	1018	Th. 20	30 (4) 45 45	7/17	12	10	65	1
0.1012	We.	4713	1058	1019	Da. 28	(6) 8.70	7-18	10	17	55	14
1013	Fr.	4714	1886	1020	pm . 19	(0) 16 21	783	11	19	67	lâ
1614	Sa.	4715	1535	3.058	Met. 28	(1) 51 69	790	15	50	58	H
1615	Sta	4710	1007	3655	Ta. 28	E (2) 47 28	792	10.	21	59	(i
B.1016	Mov	4717	1555	1025	Th: 25	(4) 2 ad (5) 18 96	703	31	22	60	tä
1817	We.		LANS.	1934	Pr. 38.	(4) 18 96	794	31	-28	1	18
1615	Th.	4719	1540	1905	Su. 78	B. (0) 48 26	795	11	24	2	10
1619	Fr.	4770	1541	1,020	Ta 28	2) 4 6	796	iii	25	1 4	l a
B, 1020	Ba.	4721	1543	1028	Wa. 24	795 20 31	797	11	20		16
1021	Mo	6723	E344	1029	Th 28	(4) 56 2	796	11	27	5	à
1622	Wa.	4724	1545	1030	Fr. dv	B. (5) 51 33	789	11	28	- 10	D
1623	Th.	4720	1046	1001	Bu. 58	W 7 6	500	2)	29	7	Įà
1624 1625	Sa.	4726	1547	1032	Mo. 28	(1) 22.06	501	1.1	30	. 8	3
1626	Su	1727	1548	1053	Tu. 28	(2) 36 7	3603	11	31	- 19	15
1637	Mo.	4725	1549	1034	We. 34	H. (1) 32 38	803	11	0.3	10	ŀ
B. 1628	Tu.	47.29	1500	1005	Fr. 26	(a) D 10	.504	11	33	34	1
1629	Th.	9730	1551	1656	Sa. 28	(6) 24 43	805	11	30	12	П
1630	Pr	6731	1552	1032	Su. 28	(0) 49 19	996	11	30	13	1
1831	Sa.	4782	1863	1039	Mu. 28	B. (1) 55. 43	807	11	38	14	1
6.1652	Su	4733	1554	1,039	Wa- 28	(3) 11 10	898	23	87	15	1
1633	Tu.	4734	1556	1040	Th. 28	(4) 26. 40	909	11	35	16	
1634	We.	6735	1.556	1041	Fr. 29	(5) 42 17	811	11	40	17	
1686	To.	4736	1637	1042	St. 28	B. 60 57 48 11 13 20	812	ii	41	19	1
B.1636	Fr.	4737	1558	1043	Mo. 28	(1) 13 20 (2) 38 51	813	ii	42	20	ľ
1637	Su	4739	1509	1044	We. 28	(5) 44 22	814	11	48	21	li
1638	Mo.		1560	1045	Th. 28	B. (4) 59 53	816	17	44	22	li
1639	Tu	4740	1561	1047	Sa. 28	(6) 15 25	816	11	45	23	li
B.1840	We.	4741 4742	1563	1049	Su 25	(0) 10 56	817	31	46	24	li
1641	Pr.	4743	1564	1049	Mo. 28	B. (1) 48 37	818	11	47	25	li
1642	Sa.		1585	1040	We. 25	(3) 1 56	819	11	48	26	li
1643	Su.	4744	1566	1051	Th. 28	(3) 1 58 (4) 17 30	B20	11	49	27	li
B.1644	Mo.		1567	1052	Fr. 28	(6) 88 1	821	11	50	28	li
1645	Wa.	4746	1568	1963	Sa. 28	B. (6) 48 32	822	11	5L	29	2
1646	Pr.	4748	1569	1054	Mo. 29	(1) 4 3	623	12	52	30	2
1647	Sa.	4749	1570	1865	Tu. 35	(2) 19 36	824	11	53	-31	2
B.1648		4750	1571	1005	We. 28	(8) 35 6	825	11	54	32	2

The Fash year of Southern India is two years in advance of the Benguit son; it begins on the 10-10 July, and is now fixed to the latter day. (The table shows the correspondence of Hindu cras with European dates.)

SOLAR Y	MAL			PAR	T L-BIS	DE SIDEREAL	TEARS	-		-	_
L	IL	111.	TV.	T.	FL.	TIL.	AM.		IX.	X.	XI
1		the Sub	beringo Into Aria	10 m 10	drawer of Salarual	Talks.	8000	_	136.		-
CHROTIAN FAM.	Print day of fallo.	Scaling.	Mar	Spingary than	trems have at all there to Secul- tud.	Character of the 33sts Year wouldy day of the planter breez and mit of house states, or 5 personned (3)kilon	Cycle of Sont years of Paracratics, begin- ming in September.	Jamin dote in they-	Cycle of Cridityers	(Bengal account).	Do. (Tampi yearner)
1030 1631 1634 1634 1636 1637 1638 1630 1631 1631 1631 1631 1631 1631 1631	The Fr. Sa. Me The Sa.	4768 4766 4766 4766 4766 4766 4766 4766	1612		The 22 Control of the	E. (4) 200 377 (8) 21 40 10 11 11 11 12 12 12 12 12 12 12 12 12 12	902 903 864 865 865	11 12 11 12 12 11 11 12 11 11 12 11 11 1		33 84 95 36 37 38 30 40 41 42 43 44 45 46 47 48 46 57 58 50 00 1 2 2 3 4 5 8 5 7 0 11 12 13 4 15	学校を登録の政治の法院を持ち、日本の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の主義の
B.1600 1690 1690 1690 1690 1690 1690	Fr. Sq. Mo	4798 4796 4796 4796 4796 4798 4798	1614 1615 1616 1617 1619 1619	1101 1103 1803 1104 1105	Tu. 28 10. 19 Fr. 29 Sa. 50 Ma. 29 Tu. 29	11. (2) 58 1 (4) 13 32 (5) 29 3 (1) 0 6 (2) 15 37	809 870 871 872 873 874	11 12 12 11 11 11 12	10 11 12 13	19 20 21 22	111111

Sonar Y	EIR.			PAR	E I-HIZ	DU SIDERIUM		-		-	
L	III.	10.	IV.	V.	VL	VIL	VOL	_	TX.	X	X
1.4					attended of	# BEE	-	C	TEXA,		
1		Zediac.			-	4 4 400	344	à.	#	20	13
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B.1700	Mo.	1801	1622	1107	Th. 29	B. (c) 45 40	876	13	16	24	1
1791	We.	4802	1.629	4109	Sa. 29	(0) 3 11	877	12	30	20	Ľ
1702	Th.	4.803	1024	1100	Su. 29	(0) 17 42	676	13	27	26	1
1703	FE	4404	1600	1110	Mo. 30 Tu. 29	D. (2) 49 45	879	33	30	27.	ŀ
B.1704 1705	Ma.	4805	1624	1111	Th. 29	(4) 4 10	881	22	90	20	ľ
1706	Tu.	4807	1628	3113	Fr. 29	0 19 47	652	13	21	30	H
1707	Wa.	4300	1629	3114	Sa. 30	(6) 35 18	583	15	22	31	н
B.1708	Th.	4809	1630	1110	Su. 29	B. (0) 80 SO	684	13	-24	32	1
1709	54.	4810	1631	1116	Tu. 29	(2) 6 31	884	12	94	23	Ŀ
1710	Bu.	4811	1632	1117	We. 29	(8) 21 32	650	18	9.5	74	13
1711	Mo.	4912	1635	1119	Th. 30	w (4) 37 U.S.	687	14	- 20	35	13
B.1712	TIL	48III	1634	1119	Er. 29	B (6) 52 55 (0) 8 26	550	32	27	341	1
1710	Th.	4814	1636	1120	Ma. 29	(1) 23 57	600 600	13	29	27	1
1714	Pr.	4310	1637	7122	To. 30	(2) 39 58	890	14	20	30	ľ
B.1716	Su.	4017	1680	1123	We. 20	EL (3) 65 0	692	17	81	40	li
1717	Tu	6318	1639	1124	Fr. 29	(0) 10 91	803	12	32	41	13
1719	Wo.	4819	1640	1135	Sa. 29	(0) 35 3	894	13	84	12	H
1710	Th.	4928	ARRE	3.126	5u, 10	(4) 42 34	90%	3.5	7 K	40	13
B.1720	Fr.	48/21	1442	11177	Mo. 29	F 412 92 9	0.000	12	201	44	13
1721	89.	4822	4943	1128	Wei, 29	(0) 12 36	507	33	26	46	l!
1722	Mo	4823	1988	1120	Th. 29	(4) 28 7	508	13	37	16	1
1793	Tu. We.	4825	1645	1611	2a. 29	B. (6) 50 10	500	13	38 39	47	ľ
B.1724 1725	Fr.	4826	1047	1192	Ma. 28	(1) 14 4).	101	18	40	40	B
1726	Ha.	4897	1649	1133	To. 20	(2) 49 12	002	13	41	00	N
1727	Su.	4828	1649	1134	We. 30	B. (3) 45 45	9073	13	42	41	К
B.1728	Mo.	4829	1640	1135	Fr. 29	(6) 1 10	2004	12	162	62	Н
1729	We.	4930	1651	1106	Ba. 29	(6) 15 46	906	IS	44	-68	r
1730	Th.	4931	1662	1127	Bu. 20	(0) 32 17	206	13	40	54	P
1731	Fr.	4822	1653	1138	Min. 30	B. (1) AT 48	907	13	46	88	P
B.1732	No.	4833	1654	1159	Wa. 29	(a) 2 20 (4) 18 AI	966	18	47	56	1
1733	Mo.	4835	1656	1141	Fr. 20	5 34 22	900	18	45	57 58	ľ
1735	We	4836	1607	1143	Sa. 30	B. (6) 49 03	911	13	.50	58	F
B.1736	Th.	4837	1658	1162	Ma. 29		912	13	.51	60	b
1737	Sa	4838	1659	1144	Tu. 29	(1) 5 26 (2) 99 50	933	13	52	1	1
1738		4859	1660	1145	We. 50	(8) 36 37	914	13	53	2	ŀ
1789	Mq.		1661	1146	Th. 30	B (4) 51 58	910	18	54		ŀ
B.1740			1662	1147	Ss. 30	(6) 7 30	916	13	55		R
1741	Th.	4842	1663	1148	No. 29	(0) 23 1	917	13	56	0	P
1742		4843	1666	1149	Te. 29	B. (2) 54 3	918	12	67	6	ľ
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B.1744 1745		4846	1667	1162	Fr. 30	(6) 25 6	921	18	66	9	1
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and a	-	-	-	-	-	-	9	-	9.	-	-
D.1800	Su.	4005	1712	1207	Th. 10	(4) 38 45	975	76	25	6.	5
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1800	Pr	4010	1731	1210	Mo. 10	11. (1) 48 26	1985	34	34	14	
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1801	Su.	4919	1735	1334	Th. 11	(A) 29 28	987	1.5	36	16	
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1814	We	4014	1784	1200	50. 21	(0) 0 20	989	34	38	10	В
1514	Th.	4015	1706	1221	Mo. II	(0) 14 3	100	15	30	10	Ю
1814	Vr.	4910	1782	1222	Tu. 11	(9) 01 04	901	1/3	60	20	10
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TAIN	Tu	4519	1740	3.203	Sa 11	(0) 18 7	1994	3.5	431	2%	4
1810	We.	4920	1791	1229	So. 11	(0) 33/38	095	3.6	54	24	1
B.1826	Th.	4921	1742	1997	Ma. 19	IL (1) 49 10	906	34	45	25	1
1891	54.	4922	1743	1228	We M	(3) 4 41	307	100	46	300	1.5
1822	Su.	4023	1744	1279	The III	(4) 20 12	908	38	47	27	1
1823	Min	4924	3745	1530	Fr. 11	(6) 35 42	090	9.0	48	28	13
B.1824	Tu.	4823	1746	1231	Sa 10	B (0) 51 16		14	40	29	1
1825	Th.	4926	1747	1982	Max 11 Tu. 11	(1) 6 46	2	36	50	30	1
1827	84.	4928	1749	1233	We. 11	(E) 22 17 (E) 27 48		34	01	72	2
B.1828	Hu.	4929	1750	1336	Th. 10	B. 4 63 20		34	22	33	24.07
1829	Tu.	4930	1761	1276	Sa 11	(6) 8 41	5	15	54	24	2
1830	We	4991	1752	1237	Su. 11	0 94 22	6	15	65	35	3
1831	Th.	4983	1703	1238	Mo. 11	(1) 89 53		18	66	26	2
B.1833	Pr.	4933	1754	1229	Tu. 10	B. (2) 55 25		14	67	37	2
1833	Su.	4934	3755	1246	Th. 11	(4) 19 50	0	15	48	28	2
1834	Mo	4935	1705	1241	Fe. 11	(6) 26 27	10	3.5	-00	39	2
1835	Tu.	4586	1747	1342	Sa. 11	(6) 41 58	11	38	60	160	2
B.1836	We.	4937	3768	1243	Su. 10	B (0) 57 30	32	34	61	41	-8
1837	Fr.	4908		3244	Tu. 11 We. 11	(2) 18 1		15	62	42	3
1838	100	4939	1700	1246	We 11	(0) 25 32		146	6.8	45	8
1839			1761	1246	Th. 11	(4) 44 3		40	64	44	3
B.1840	Mo.		1782	1247	Fr. 10	B (6) ap 3a		14	65	45	3
1841	We,		1763	1248	Su. 11	(9) 15 6		10	66	46	13
	Th.	4943	1761	1249	Ma. II	(1) 36 37		16	67	47	3
1843 P 1844	Fr.	4944	1766	1250	Tu. 11			16	58	48	3
B.1844 1845	100.00	4945	1766	1351	Th. 11			14	59	49	3
1846	Ma.	4947	1768	1252	Fr. 11	(6) 32 42		16	70	50	3
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1854	Pr.	1004	1710	1361	To 11	(9) 56 /62	30	1.5	79	50.	4
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1807	We.	49739	17300	1265	Se. II	00 58 57	54	15	82 53	8	0
1809	Th.	43969	1781	1296	Mo. II	B. (5) 64 28	35	16	54	4	ā
B.1800	Fr.	4964	1754	1267	Wes 11	(1) 10 0	30	18	85	-6	A
1801	Sin	4903	1788	1206	Th. 11	(4) 20 34	37	18	86	7	0
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1862	We	4965	1788	1371	No. 11	B (6) 55 33	39	16	55	4	-0
1365	Fr.	4966	1780	1272	Tu. II	(1) 32 S (2) 27 36	41	15	69	10	6
1806	Sa.	4967	1788	1178	Wn-11	(0) 48 2	42	14	1	12	0
1967	84.	1,768	1780	1271	Th. 11	B. (4) -58 158	8.0	15	9	10	1
B.1888	Mo	4969	37300	1276	Sa: 11	(6) 14 10	44	15	3	14	1
1940	Wes	4970	107194	1976	Bu. 61	(0) 20 44	-95	15	4	1.0	
1570	Th.	4971	1700	1178	Ma. 11 Wa. 12	H (1) 42 18 (0) 0 43	/47	16	8	16	
1871 B.1872	Su.	4973	1791	7279	Th. 11.	(4) 16 15	49	10	7	17	1
1573	Mo.	4974	1795	1240	Fr. II	(5) 81 48	40	4.6	4	10	d
1874	Tu.	497.0	1790	1281	Sa. 11.	Rt (0) 47 17	50	14	-0.	20	
1875	We	4076	1797	1282	Ms. 13	(1) 2 48	84	16.	10	20	D
B.1870	Th.	4977	1798	1288	Tu. 11	(2) 15 20	52	15	44	22	1
1577	Spi	M978	1799	1294	We-11	(1) 84 51	53	15	13	93	4
1878	Ma	4079 4080	1801	1288	5h 11 Su 12	R (4) 40 HI	80	16	18	24	1
R.1880	Tu	4981	1802	1397	Se. 11	(0) 20 26	50	15	15	26	13
15RT	Th.	4962	1602	1286	Mo. 11	(1) 35 56	57	15	10	27	i
1882	Fr.	4992	1504	1289	Tu. 11	D. (2) A1 27	68	16	17	28	4
1887	Sa.	4984	1805	1200	Tb. 12	(4) 6 58	59	16	16	29	1
D.1884	Su.	4985 1985	1886	1091	Fr. 14	(6) 35 1	60	16	19	80	1
1886	Tu.	4987	1807	1292	Sa. 11	R. (6) 35 1	62	14	21	31	2
1886	Th.	4988	1300	1794	Tu 12	(2) 9 3	63	16	21	35	2
B.1988	F_{T_n}	4989	1810	1295	We. 11	(3) 24 35	64	15	23	34	2
1880	Su.	4590	1911	1256	Th. 11	(4) 40 6	63.	1.5	24	35	2
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B.1992	Wo.		1814	1299	Mo. 11	(1) 25 40 (2) 42 11	68	15	27	88	2
1893	Fr.	4994	1815	7301	Tu. 11 Ws. 11	H. (2) 42 11 H. (3) 67 42	70	15	28	39	2 2
1995	Su.	4996	1817	1502	Fr. 13	(5) 13 13	71	16	30	41	0
B.1896	Mo.	4997	1819	1303	Sa. II	(6) 28 45	72	15	21	42	3
1897	We	4996	1819	1304	Su. 11	(0) 44 16	78	18.	32	43	3
1898	Th.	4590	1820	1305	Mo-11	B. (1) 59 47	78	1.5	33	44	3
1899	Fr.	5000	1821	1305	We. 12	(3) 15 18	75	26.	34	44	3
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3.1606	4701	1667	1008	A.8.	We. 5 Mar.	8	30	2143	962	337	8 Feb.	
1661	1702	1058	1009	-	Mo. 23 Mar.	98	20	2314	963	E,38	23 Jun.	1
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1603	4704	1000	1011	AA	We. 2 Mar.	- 6	31.	23.46	960	±340.	31 Jan.	
3.1804	1705	1001	1013		Tu. 20 Mar.	23	20	2147	905	241	21 Jan.	13
1600	4700	1092	THER	Voc V	Sa. 0 Mar.	15	30	2148	967	42	7 Ful	
1000	47.07	1063		A.V.	Th. 27 Feb.	.3	30	2140	968	43	28 Jun.	١.
1607	4700	1654	1015	4.00	We 19 Mar.	20	-51	27.60	969	44	18 Jan.	1.
B Toom	4700	1400		A.D.	Ho 0 Mar.	2	30	23.51	979	4.0	h Pah.	1
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1011	4712	1.009		A.S.	Min. & Mor.	155		23.43	974	40	23 Jan.	ы
1013	4718	1,670		1.0	Th. 14 Mar.	14	100	2159	97.5	50	9 Polic	L
	4710	1671		AJ.	Mo. 28 Feb.	8/2	31	2157	976	-51	29 Jan.	Ι.
1016	4716	1070		000	Su. 19 Mar.	23	-41	(149)	077	- 52	19.Jon.	1
D. Lake	4717	1970		A.C.	Pr. S Mur.	11	Sh.	2000	97%	437	7 Fuls	1
1617		1		100.0	Wn. 26 Mar.	150	In-	1109	979	51	26 Jun.	1
1618	4719	1075		100.7	Mr. 16 Mar.	10	21	ST01	000	166	10 Jan	1 '
1010	4720	1070		A.S.	Fr. 6 Mar	1.8	111.	24,68	934	- 660	a Fob	
H.1620	4721	3877	1.028	100	To. 22 Mee	25	30	2165	983	57	24 Jun.	
1621	4723	1678			Mo. 12 Mile.	1.5	1.50	2104	983	53	10 Fish	
3.002	4723	1679			St. 2 Mer.	10	41.	2165	1994	-59	31 Jan	Ľ.
1603	4724	1690			Fr. 21 Man.	125	21	2160	060	60	21 Jan	15
B. 1924	4725	1881			Tu. 9 Mar.		100	2107	986	10 2	N. Pols.	1
1635	4726	1993		3	Hu. Dt Feb.	20	30	2100	968	53	17 Jan.	
1620	1727	1683			Fr. 17 Mar.		80	2170	989	H 6	5 Feb.	ш
1627 B.1628	4729	1685			Tu. 20 Mur.		30	2071	800	1 mg . c .	26 Jan.	4
1629	4730	1086			Sa. 14 Mar.		30	2072	993	19 10	14 Jan.	1
1630	4731	1687			We. 1 Mar.		31	2173	992	77	1 Pak	1
1031	4733				Tu. 23 Mar.	24	30	2174	993		22 Jan.	1
E.1632	4783		of the second		Sa. 31 Mar.	14	30	3175	994	-9	10 Peh.	
1033	4				Tb. 28 Feb.	1.3	30	2179	905	10	29 Jun.	
1634	4730	1001	1040		W9, 10 Mar.		31	2177	996		19 Jan.	13
1035	4730	1492	1043	A.C.	Sta. S Mar.		30	2176	997	12	6 Feb.	
B.1636	4737	1091	1044		Sa. 26 Feb.		-30	2179	908	13	27 Jan.	1
1637			1040		Th. 16 Mar.			2180			16 Jan.	
			1046		Mo. 5 Mar.	9 94		2151			24 Jan.	
1030	4740	1990	1047		So. 24 Mar. Th. 13 Mar.			2162				
D.1640					Tu. 3 Mar.				1003		31 Jan.	
1641		and the second			Sq. 20 Mar.				1904		to Jan.	ю
1642		100000	1051		Pr. 10 Mar.		4	The second of			8 Feb.	
B.1644	9745		1053		Th. 37 Feb.			2167				
	4746		1061		Mo. 17 Mar.			2188	1007		17 Jan.	ы
	6747		1004		Fr. 6 Mar.						4 Feb.	
	4748		105		Th. 25 Mar.				1909			
B.1648			5 1056		Tu. 14 Mar.							
	4750		105		Sa. 3 Mar.			2197				

(This table includes the Portroes has saide era, which accords with the Hindit, and the Chindes, within begins one point explicit. The Vidyatt errouse year of Orasia agrees one—desiry with the Pauli; but its civilians are tolar, bring the main at common T1, much also seem after which it is.

	_	_			- U		_	N.		_	14.00	_
1.		II.	XIII	XIV.	XV.	TANT	_	XYII.		10	XIX.	_
Ensircial Team.	9 9	the Vishba of	Begins on the total	of the ware, and of patent or Sugard in contradicty year, 313,	Enter of the hot morn reflection that has a strong for more hardeneds year com-	Cardina, 1str, sent.	at days to the fatte-	or force of finding cloy-	Value IIIs (used Arrang etc.)	Tips, do Corb of Ot.	Quericalmate commerces of from the time facilities in red before © entros # in red seyle.	in which tangendary
2	Silgran	Sharriet.	Charles	Market Military Weekly	4	the date	Number fred for	Scientific for, AT	ding.	Corson Voterni	Street C	Years in
A.D.	2	ž.	2012	Sec.	DEP FIRM	2.	8	7	3.	32	3	Ĥ
1656	1751	1707	1058		Va. 23 Mar.	24	20	2190	1012	27	22 Jun.	
1651	17.53	1709	1659	10.1	Tu. 17 Mac.	18	700	2194	1013.	28	0 Feb.	
B. L602	4700	1700	1098	Ad	Sa. 22 Iva	34	30.		1014	20	no Jan-	١.
1058	17.51	1710	1001	4.5	Sc. 19 Mir.	22	10.1	2190		20	19 Jan	
16.54	47.55	1711	1062	A.C.	We. a Mar	10	-		30.50	31	0 Fub.	1
1655	47/00	1712	1093		Tu 27 Mar.	29	59	5100		35	27 June	1 .
5. L630	4757	1713	1004	100	Sc 25 Mar.	15	50	3146		98	16 Jun	
1057	4756	1714	1085	A.S.	Title it Mar.	- 9	20	3206		3.6	28.00	1
1638	4700	1714	Tone		Tu 21 Mar	25	30	3201	1020	34	29 Jan .	١.
1050	d7do	1716	1002	V 40	Sa. 14 Mer.	1.0	OW	7202		30	13 Jan.	1
B. 1666	4701	1717	100%	A.A.	Th. 1 Mar.	1.5	98	2203		37	St Jan.	
1001	47,02	1718			War 20 Mar.	75	31	2204		26	20 Jun	
3.662		1719		Carl	Su. 0 Mar.	135	99.	2208		33	T Fob.	
1663	4764	1720	1971	A.A.	Tu. 20 Teh	2	(29)	2206		40	28 Jan	
D.1664	4766	1721	1072	-VV	Th. 17 Mar.	20	85/	2407	1020	31	10 Jun	1.5
14065	4700	1722	1073	A.II.	Ma. 6 Mar.	2	11		9927	92	v Feb	
1404	4707	1720			Su. 25 Mar.	27	20		1028	48	25 Just.	
3867	4769	1704	1078	V 6	To. 14 Mar.	16	59	1210		40		
B, 1608	4769	1798	1076	A.S.	Tu. & Mar.	-6	81		1000	4.5	2 Fah.	
1660	1770	3720			Mo. 32 Mor.	25	31.3	5212		4.7	9 Feb.	1 5
1670	4773	1727	1076	11.4	Fr. 11 Mar.	45	26		1000	4.6	29 Jun.	
1671	4772	1754		A.3.	Tu. 28 Feb.	3	98	2214 2216		49	10-Jan.	
B 1672	4778	1729		100	Mo. 18 Mar.	33	31	2216	3.855	60	6 Peb	16
1673	4774	17.50		A.C.	Sa. 8 Mar. Fr. 27 Mar.	31	30	2217	14000	61	27 Jan.	
1674	4776	1731	1092		Fe. 27 Mar. Tu. 10 Mar.		59	2218		33	16 Jun	
1675	4776	1738		4.0		16	10.1	2210		22	à Felt.	
H 1676	4777	1730		AA	Fr. 23 Mar.	20	31	2220		51	20 Jan.	
1077	4775	1734			We, 15 Mar.	15	30		1000	50	11 Jan.	
1679	4779	1730		24.	Sq. 2 Mar.	4	39		1041	50	31 /40	
1079	(THO	1730		A.A.	Su. 20 Mar	25	57		1052	15	21 Jan.	
H.1680	4784	1737	A L street	ACAT	Wa. 9 Mar.	11	70		1042	68	7 Feb	
1681	4782	1738		May rate	Tu. 23 Mar.	30	20		1044	80	28 Jan.	
1682	4780	1730			Sa. 17 Mar.	19	300	2228	1015	60	17 Jan.	,
1683	4784	1740		A.B.	Th. 6 Mar.	1 3	31		1846	3.1	a Felt.	
B, 1684	4785	1741	1000		We. 25 Mar.	27	20	2228		20	25 Jan.	
W1.00 m. m.	4780				Su. 18 Mar.	10	710	2229	1048	S 8	14 Jun.	
	4787	1794	1004	A.A.	Th. 2 Mer.	5		2350		15.4	1 Feb.	1
1087			1806		Wa. 21 Mar.	24	21	2281		Z 6	22 Jun	
B.1689 1689		1746			Ma. 1) Mar.	13	20	2217		2 6	0 Feb	1
	4791	1747		A.V.	Fr. 26 Feb.	2	26	2237		3 5	28 Jun.	
1001		1748		46.20	Th. 10 Mer.	21	20		10.53	- 8	10 Jan	
		1740		A.E.	Mis. 7 Mar.	900	21	2235		9	B Fch	1
B.1692		1750		1	Su. 26 Mer.	28	3	233M		10	26 Jun.	
1693		1751		0.00	Fr. 16 Mur-	18	50	2037		11	16 Jan.	
1694		The second second			Ts. 5 Mur.	17	20	2228		12	3 Feb.	
1695	1000000	1759			Mrs. 23 Mac	126	33	2235		15	24 Jun.	1
B,1696 1697		1760			Fy. 12 Mar.	34	30		1050	14	10 Teb.	1
1698		1756	The second second		We. 2 Mar.	1 4	30	2241		1.5	31 Jan.	1
1000		1756			To. 21 Mar.	25	31	2242		tig	21 Jan	11.0

In the corrent year K. Y. GSS, the mostles Chapter and Asserts are repeated, and the month Agraham. is hidden or expanged.

	_		-		MA III-FERRI	-	-		min 7.1	_	467.11	_
I.	-	11.	XIII.	MIV.	XV.	XXI		XVII.	XVIII	-	XIX.	120
OURSITAN TRAS.	10.30	the Vinitha of	Spelters the letter the latest scorth Average	of the year, and of deficie or limited. In humosiary year. (72)	Date of the last mean systemation of Court y, whomes the new limited year some	Oraben, 1981, aget,	sends Chairs.	Are, States, etc., Cley-	Volger Era (used Arrecan, etc.)	Dat. the Cycle of 60.	the new most read	n which interestary
A.D.	Kultur	Staves	Parity Digital	Character trotted of mym.fl., (See II.)	0,0 9111A.	Surine dathr to month Cha	Namiker rest so	Beneater And, Ava.	Bermey also in	Venezien Yene of t	Approxile from Selice etyle.	Years in
0.1700	4801	1707	Tide	A.C.	Sa. 9 Mar.	12	31	2243	1002	17	8 Feb.	
1701	4802	1739	1109	A.V.	Fr. 28 Mar.	5é	30	2214	1063	18	28 Jun.	1
1702	4803	1755	1110	5.00	Tu. 17 Mar.	19	30	2246	1064	19	17 Jun.	
1703	6501	17/00	1111	A.S.	San 0 Mar-	8	31.	2247	1006	20	4 Feb. 25 Jun.	1
1705	4800	1762	1115	1 C I	We 14 Mar.	27 16	50	2248	1007	22	14 Jan.	
1700	4807	1769	1114	A.I.	Su. 2 Mur.	- 6	30	E240	1088	23	1 Fah.	
1767	4508	1764	1115	100	Sa. 22 Mar.	54	35	2250	1069	- 24	22 Jan.	
B.1768	£809	1765	1116	100	We. 10 Mar.	32	20	2251	1070	23	9 Pab.	1
1709	4510	1766	1117	A.C.	Me. 26 Feb.	(3)	39	9232	1071	26	29 Jan.	١.
1710	4811	1707	1118	1.0	Sa. 16 Mar.	20	20	2553	1072	27	6 Peb.	
B.1713	4812	1768	1110	A.R.	Th. # Mar. Wo. 26 Mar.	26	31	15554 15563	1078	29	27 Jun.	
1713	4914	1770	1121	1.00	84, 16 Mer	晉	30	2656	1074	30	15 Jan.	1
1714	4816	1771	1123	A.A.	The 4 Mer.	- 82	-84	2257	1076	31	2 Pah.	1
1715	ARLG	1779	1133.	1	We. 23 Mer.	45	21	2:158	1077	33	24 Jan.	
B.1716	4817	1773	13/26	CO.	Mo. 12 Mar.	24	30.	2339	1078	38	13 Jan.	
1717	4810	1776	1,135	17.4	Fr. I Mar.	18.	30	2200	3979	54	30 Zan.	
1718	4310		14.56	10.7	Th. 26 Mar.	35.	30	2001	1.060	3.5	20 //0	
1710	6820	1776	1337	Y m	Tu. 10 Mar.	u	21	8365	1081	37	6 Feb.	
B: 1720 1721	4521	1779	1129	AJE	Fr. 17 Mar.	19	30	2263 2264	1093	35	17 Jun.	
1722	4823	1779	1130	A.S.	Tu. o Mar.	1 1	20	2263	1084	29	4 Fob	1
1723	4824	4780		-	Ma. 45 Mar.	27	31	7360	1055	40	25 Jan	1
B 1724	4825	1781	1133	l don	Fr. 18 Mar.	15	36	2267	1086	- 63	16 Jan.	1.3
1726	4920	1782	1143	AJ.	We. 3 Mat.	1.0	30	2068	1097	42	2 Feb.	
1726	4827	1783	1134		Tu. 22 Mar.	34	31	2269	1098	43	22 Jan.	1.
1737	4423	1784	11115	10	Sa. 11 Mar.	115	31	8970	1098	44	11 Jan.	1 3
1729	4929	1789	4	A.C.	Wa. 28 Pub. To. 16 Mar.	70	39	2272	1091	95 46	15 Jan	1
1730	4831	1790		1.8	Su. S Mor.	18	31	2273	1092	47	6 Feb.	1
1731	1833	1786		- Care	Fr. 29 Mar.	28	at.	2274	1003	48	27 Jan.	
B.1732	4833	1700		1	We la Msr.	0.7	20	2875	1001	40	to Jan.	1.5
1733	4824	1799	1141	A.A.	Su. 4 Mar.	- 6	30	2276	1695	80	a Feb.	
1784	4830	1701			St. 22 Mar.	24	31	3277	1096	61	23 Jan.	1:
1735	4830	1792			We-12 Mur.	14	91	1278	1007	42	12 Jan.	1.
B.1736					Mar. 2 Mar.		30	2279			31 Jan. 20 Jan.	1.
1737 1738		1794			Th. 9 Mar.	22	30	2280	1100	10.00	7 Feb.	1
1739		10000			We. 28 Mar.		30	9282	The second second	46	28 Jun.	1
B.1740		1797			Sq. 16 Mar.	15	30	2383		57	17 Jan	1
1741	4842				Fr. 6 Mar.		50.	2284	4	88	4 Feb.	1
1742	4845	1799	1150		Th. 25 Mar.		31	2289	1104	-59	25 Jun.	
1743					Mn. 14 Mar.	1.5	30	2286		- 60	14 Jan	1 *
B.1744	4845		1132		Er. 2 Mar.	100000	30	2287		S 1	2 Feb.	1
1745		4 10000			Th. 21 Mar.	200	39	2288		5 2	21 Jan.	1.
1746		100000	1154	100	Tu. 11 Mar.	13	31	2299	1108		11 Jan	1 1
1747 B.1748	4848		the second of		Sa. 23 Feb.	13	30	2290	1389		30 Jan.	١.
1749			1156		Fr. 18 Mar.	29	36	2291		34 "	20 Jun	13
4.4.40	3000	1000	14101	45.00	Tu. 7 Mar.	1.0	1 30	2292	3333	14. 6	7 Feb.	1

^{*} In the current year K. T. 4783, the mustles Chauces and Assitus are repeated, and the mustle Agrahams is rown or expanged.

-	-	-	100	7.00	2177	OLAR			_	_		_
L	-	п.	XIII	XIV-	TV.	XVI.		XVII	KVII	L	XIX.	
Currents Year.	on the	the Niderest year.	Regiance the let of the lister mouth Annie	or of the year, and or addition house in informating year, (73.)	Date of the bal moon majour-form Darid ", where he was last-other year requ- ments."	new dayle to Mindle Sibbread	r of days in the titles	Avis, Stern, etc.	Valper Ere Ju-id Attracm, etc.)	the Cycle of 40.	the new tion best of the sets of the terk	direction Year and No. of
A.D.	Kaliyag	Start	Padl of Upper India	Chartering County of Proceedings	A Street	Salay digo to account Cha	Number of Fed rasm	Beatstern los, Avia	Burmes.	Vest of	Ascertained from the better (2) styte:	Datescalary
1740	4851	1807	1158		Mis. it Apr.	zh.	53	2293	1112	3.7	8 Feb.	Г
1751	4852	1505	1100		So. 27 Mar.	17	33	2294	1113	F. 6	25 Jan.	10
B.1742	4853	1805	1100	A.A.	We, 15 Mar.	. 6	26	2203	1116	0 9	16 Feb.	1.
1758	4854	1810	1161	1	Tu. II Apr.	-0.5	30	2296	1115	=10	4 Feb.	1
17.54	4800	1811	1162	100	Se. 23 Mir.	18	31	2297	1116	2011	24 Jan.	114
1700	45.56	1812	1.162	A.V.	Th. 12 Mar.	2	90	2798	1117	≥ 19	12 Feb.	1
B.1786	4807	1813	1164	0.5	Tu. 30 Mar.	21	20	2200	SILL	13	1 Feb.	9
1707	4859	1814	1165	A.B.	Su. 29 Mar.	41	33	2300	1119	34	19 Feb.	
1748	48.50	1816	1.166	1000	St. 9 Apr.	20.	31	53W.F	1120	935	B Feb.	
B. 1760	4801	1817	1162	48.	We 28 Mar. So 10 Mar.	35	30	2402	1122	1.6	16 Feb.	. "
1701	48.03	1818	1160	30.00	Sa A Jan	20	31	2804	1123	10	n Peb.	
1762	4663	1819	1170	1	Th. 25 Mar.	16	21	2305	1104	19	26 Jan.	A
1765	4864	1820	1171	42.	Mo. 14 Mur.	152/	30	2,005	1125	20	14 Peb.	11.
17,1764	4858	1821	1172	44	Ru. 1 Apr.	TA	30	2307	1120	21	3 Pob.	0.0
1766	4500	1822	1170		Th. 53 Mar.	12	16.	2308	1127	32	21 Jan.	1.3
1766	4867	1823	1324	A.C.	Tu. 11 Mar.	175	30	2349	1128	23	9 Feb	10
1707	4868	1524	1175	Sec.	Max. 200 Marc.	20	20		1129	24	30 Jan.	7
H.1708	4,000	1824	1176	A.S.	Fr. 15 Mar.	15	No-	2311	1150	25	17 Feb.	1 "
1709	1570	1826	1117	1000	Th. 6 Apr.	28	-31		4141	26	fi Feb.	
1770	4671	1827	1178		Mo. 20 Mar.	16	30:	2512	1102	27	26 Jun.	- 5
1771	4872	1978	DATE	A.A.	Su. 16 Mir.	16	30	2214	1133	28	16 Pab	
1.1772	4873	1529	17.80	771.3	Fr. 3 Apr.	05	30	92.71	1134	379	2 Feb.	١.
1773	4874	1836	1761		Ta. 28 Mar.	14	51	231.0	4134	30	22 Jan.	1 2
1774	4624	1991	1182	A.V.	Su. 12 Mer.	- 2	26.	9917	1106	91	10 Feb.	14.
1770	1976	1832	1160	1000	Pr. 31 Mar.	23	29	2518	1107	32	30 Jan	10
0.1770	美国工工	1544	1184	A.D.	We 20 Mar.	10:	36		1138	153	18 Pub	1
1777	4578	1854	TIME	1	Mo. 7 Aye.	29	31	2320	1130	34	7 Pub.	١.
1778	4979	1.895	1386	0.2	Su. 19 Mar.	18	30	2321	1740	35	27 Jun.	
1779	4580	1.570	1187	3.8	Wa. 17 Mar	1.2	20	2593	1141	26	15 Feb.	
H.1780	4441	1837	1188		Tit. A Apr.	24	30	2323	1142	747	5 Poh.	
1781	4887	1836	1195	1.5	So. 26 Man	18	31	2324	1143	7.5	24 Jan. 13 Feb.	n
1782	1885	1870	1180	A.J.	Th. 14 Mar.	.2	30	2225	1145	40	3 Fob	
1783	4884	3560	1191		No. 2 Apr. Su. 21 Mar.	98 13	30	2326	1145	41	23 Jun.	3
1785	4885	3845	1192	A.C.	Th. 16 Mar.	17	31		1147	42	10 Pelo	1 7
		1543		distr.	We, 29 Mar.	18	36	2329		10.00	St Jan	2
1787	1800	1844	1105	A.5.	No. 19 Mar.		30	2130		44	10 Feb.	
B.1788			1196	A.5.	Sa 6 Arr.	28	-01	20131		40	8 Pub.	1
	4890		1107		Th. 26 Mar.	17	31	2332		46	27 Jan.	1
	4891		1198	8.6	Me. 18 Mar.	130	3.0		1152	47	15 Feb.	(
	4892		1196	-	Su. 5 Apr.		-58	2351		19	4 Feb.	1
B.1792			1200		Fr. 23 Mar.	10	-81		1154	40	24 Jan.	14
1793		1850		AV.	Ta. 12 Muz.		31.		1155	-50	II Feb.	1
1794		E Section in the	1202	3	Me. 31 Mer.		30.		1150	51	31 Jan.	1
1796			1204	A.E.	Fr. 20 Mar.		100		1157	43	21 Jan.	13
H 1796			1204	1000	Th. 7 Apr.	39	21	2339	1156	63	9 Feb.	
1797		1554		175	Tu. 28 Mar.		0.0		1120	-51	28 Jan.	0
1798		1855		4.8	Sa. 17 Mar.		20	2341	1160	55	16 Feb.	1
1799		TANK	1207		Fr. 5 dpc		38	-9517	1161	-50	5 Feb.	4

¹ The particulars of the Chimese years from a. p. 1725 to 1135 inclinava, are taken from Bayer's * Passergon Sinteres.* Those from 1745 to 1815, from """ "" "" "" "" and some few subscripted years from actionates sources. The rest are rapplied to

	-				PART IILUI	N1-80	LAB	YEAR.				
1.	X		XIII	NIV.	XV.	XVI		XVII.	XVII	D .	XIX.	
CORPEGAN YEAR.	Bognes on the new Researching	he Chaich of	Degree on the letter the fener ments havin.	of delitions bear, and of delitions linual its manufact pass.	Safe of the last neum conjunction of Saad 3 Where the new limit and pract force.	date in Binda material	of days in the eade- with Chalera.	Ave., Stan, enc.	Valper Era (med Arriann, etc.)	Lie Cycle of 10).	the tases next to a new t	Interculary year and No. 14
A. D.	Kaliyar	Sumyak.	Posti of Unper Links	Character patigal of through, (New p.)	Non Style.	Barar des Serrità	Symbot of du-	Bentament has, Ave	15 W	Total of 1	Ascertament finas div betare G etyte.	Intercala
1800	4901	1867	1206	T	Tu. 35 Mar.	13	31	2349	1162	67	26 Jan.	
1801	4902	1858	1209	AJ.	Bu. 15 Mar.	4	50	2364	1163	- 58	13 Feb.	
1602	4903	1860	1210	and.	Fr. 2 Apr.	22	90	2845	1164	69	a Pah.	
1803	4904	1860	1211	0.00	Wn. 23 Mar.	12	30	2346	1105	60	23 Jan.	- 3
1.1804	4905	1861	1213	A.C.	Su. 11 Mar.	1	31	2347	1166	2 1	11 Peb.	10
1805	4906	18672	1218	600	Sa. 30 Mar.	19	30	2345	1167	E 2	31 Jan.	6
1806	4907	1863	1214	A.5.	We. 19 Mar.	1.4	30	2349	1168	OB	19 Feb.	15
1807	4008	1864	1215	-	To. 7 Apr.	27	50	2350	1109	- 4	8 Fab.	
B.1809	1000	1866	1216		Su. 27 Mar.	17	21	2261	1170	N 6	29 Jan.	10
1809	4910	1866	1217	A.A.	Th. 16 Mar.	1.6	30	2865	1171	2 6	16 Feb.	10
1010	4911	1867	1218	1	We 4 Apr.	21	60	2365	1172	H 7	d Fuh.	3
1811	4912	1869	1212	3.54	Su. 26 Min.	13	30	2954	1179	- 8	27 Jan.	
B.1817		1840	1220	A.V.	Fr. 13 Mar.	CAS	23	2355	1174	9	16 Feb.	ш
1813	4014	1870	1223	1/05/2	Th. I Apr.	21	30	2399	3170	10	3 Feb.	-9
1814	6915	1871	1222	A.B.	Mo. 21 Mar.	19	20	2857	1176	3.1	21 Peb.	
1815	4910	1672	1223	100	Su. 9 Apr.	29	51	3359	1177	12	10 Feb.	
B.IA16	4917	1878	1994	1. The 1	Th. 20 Min	28	31	2350	1178	13	30 Jun.	15
1917		1874	1228	A.B.	Tu. 18 Mar.	7	30	2360	1170	34	17 Pub.	
1815	4010	1075	1226	10.74	Su. & Apr.	25	30	2361	11.60	16	6 Feb.	
1819		1876	1227	100	I'r. 20 Mar.	19	33	2362	1101	16	27 Jun.	-8
B. 1820	4921	1977	1228	A.L.	Ts. 14 Mar.	. 5	33	2362	1182	17	12 Feb.	111
1821	4933	1879	1329	1000	Mo. 2 Apr.	27	30	2364	1182	18	2 Feb.	110
1922	4923	1679	1230		Su. 23 Mer.	13	30	2365	1184	39	23 Jan .	4
1833	4994	1880	1233	ACA		12	33.	2346	11.65	20	10 Peb.	110
B 1824	4920	1865	1355	1.6	Tu. 30 Mar.	29	33	2367	1166	21	31 Jec.	١.
1825	4926	1852	1238	A.5.	Sa. 19 Man.	1.5	30	2368	1187	22	17 Feb.	6
1926	4927	1983	1224		Fr. 7 Apr.	27.	30	2380	1186	28	7 Feb.	1
1827	4928	1104	1234	4.9	Te. 27 Mer.	16	31	2370	1180	24	27 Jan.	- 6
H. 1828	4929	1886	1236	AA	Su. 16 Mar.	1.5	943	2371	1190	26	1a Feb.	
1829	4930	1886	1247		Su. 4 Apr.	24	30	2971	1191	26	# Feb.	7
1830	4931	1887	1238	4.00	Wa. 24 Mar.	13	30	2973	1197	27	24 Jan	
B. 1832	4933	1,599	1230	A.V.	Sq. 13 Mar.	2	31	2374	1193	28	II Feb.	100
1833	4933	P AND A TO	1240	A.B.	So. 31 Mar.	21	30	2875	1194	29	1 Feb.	9
1834		1890	1241	A.B.	Th. 21 Mim.	10	30	2376	1105	30	20 Peb.	
1836		1899	1242		We. 5 Apr. Su. 23 Mar.	18	31	2377 2378	1196	31	8 Feb.	
II.1836		1 5 860 5	1774.5	A.S.	Th. 17 Mar.	6		2379	3197	33	29 Jan. 16 Feb.	0
1837		1594		26-0	We. 5 Apr.	25	30	2380	1190	34		16
1838		1895			Mo. 26 Mar.	15		2281		35	a Feb. 26 Jan.	
1839		1896	1247	A.J.	Fr. 15 Mar.	1		2382		36	13 Feb.	3
H.1840		1897		44.	Th. 2 Apr.	22		2382		37	3 Feb.	4
1841		1896	1249		Mo 23 Mar	ii		2254		38	20 Feb.	
1842		1899	1250	A.C.	Sa. 12 Mar.	Gil	31		1204	39	10 Feb.	1
1943	10000	1900		40.00	Th. 30 Mar.	13	51	2386		40	30 Jan.	6
B. 1844		1901		A.S.	Tu. 19 Mar.	3	30	1387		41	18 Peb.	-0
1846		1902		400	Max 7 Apr.	27	36	2385		42	7 Feb.	
1846	4947	1903			Fr. 27 Mar.	16		2389		43	27 Jan	6
1847	4948			A.A.	Tu. 15 Mar.	13	31	2390		44	14 Feb.	17
B.1848	4949				Mo. 3 Apr.	23		2391	1210	45	4 Feb.	7
1849		1906			Su. 24 Mar.	18	20	3392	1237	46	74 Jan.	7
-			Francis .				-			440	A	

¹ The exputaged month in the 405th year of the Kallyng fell on Agrahayan, otherwise Margaetas, and the intercalated months were Aswins and Challes of the encoding year.

A. D. 1850 1851 1853 1853 1853 1853 1853 1853 1856 1857 1858 1859 1860 1861 1862 1863	231 March 19	1907 1908 1909 1910 1911 1912 1914 1918		Character of the year, and until of 44848 or thand? P. W. W. W. Character from A. W. W. W. Character from A. W.	To 1 Apr. To 2 Mar. To 3 Apr. The State of the State o	to be seen date in Thanks Fildered St.	was Sunfer of days in the Mide-	Demonstry Day of Bullo, Cop-	Burnes Valent Drs. (uetf. 20	Chester Date. Voc of the Cycle of 68,	Approximate togetherenest in from the new most next in form the form the most next in early in the first of the form of the first of th	Years in which bearrailery
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B.1956 1957 1958 1859 B.1860 1861 1862	4957 4958 4959 4269 4961	1913 1914 1915		A.S.	Su. 15 Mar.		26	2308	1217	02	10 Peb	13
1867 1859 1859 1860 1861 1862	4058 4059 4960 4961	1014		400	Sa. & Apr.	25	-30		1218	- 53	4 Pale	
1848 1849 B.1866 1861 1862	1959 1961	1015	1265		We 25 Mar.	14	30	Sind		- 54	25 Jan.	
1859 B.1866 1861 1862	1900 1901		1200	AJ.	Mo. 15 Mar.	0.741	111	2401		05	13 Pol.	
B.1866 1861 1862	1901	1916	1267	175	Su. I Air.	122		2402	1222	50	J Feb.	
1802		1017	1258	A.C.	Th. 22 Mar.	11		2403		57	23 Jan.	
1802	THE PERSON NAMED IN		1209	A.C.	We. 10 Apr.	50	-50	2404		58.	10 Fah.	
	4063	1919		1000	St. 29 Mar.		41	2405		- 70	50 Jan.	
			1271	A.S.	Fr. 20 Mar.	100		2406		60	18 Feb.	
R. 1864	1955	1921	1979	000	We CAPE	28	26	3497	1226	W 1	7 Pub.	
1966	4900	1922		100	Ms. 27 May.	1.0		2400		24	27 Jun.	
1800	4007	1923		A.A.	Fr. 16 Mar.	1.0		2400		20	14 Feb.	1
1807	40/58	1024	1274	105.71	Th. 4 Apr.	22	80	2410	1220	6.4	4 Feb.	
R. 1868	4069		1276	100 Au	Mo. 25 Mar.	12		2411			24 Jun.	
1869	1970	1926		A.V.	Sa. 12 Mar.		100	2412	1031	ed 0.	II Feb.	
	4971	1927	1278	1	Fr. 1 Apr.	21		2415		4.7	1 Feb.	
1671	4073	1028	1279	A.B.	Tu 21 Mar.	3		Date		0.	19 Feb.	100
B.1872	1073		1280		Mo. 8 Apr.	28		2415		9.1	9 Feb.	
1873	100000	Mark and the contract of	1281		Fr. IR Mar.	E C211	JIT.	2410	1235	1.0	28 Jan.	
1874	4975	1931	1282	A.S.	We. 18 Mar.	1	31	2417	1936	11	16 Feb.	11.
	4976	W. C. Carrier	1283	200	Tu. 6 Apr.	38		2410	1237	4.2	6 Feb	
	4977		5284		Sa. 25 Mar.	14	50	2410	1258	1.0	26 Jen.	
	4978		1285	A.J.	Wa. 14 Mar.	1	81	2420		114	12 Feb	10
	4979	Marine M.	1286	May 1	To 2 Apr.	32	31	2421	1940	14	2 Feb.	
	4980		1287	A.C.	Su. 23 Mar.	(ii)	1.00	7422	1941	36	23 Jun.	
	4981	1937	1288	4.4	Sa. 16 Apr.	30			1242	17	11 Feb	
1881	4982	2000	1249		We. 30 Mar.	19	51	2424	1243	(18)	30 Pan.	
The state of the s	4583	40.0	1290	A.S.	Su. 19 Mar.			2125	1241	- 19	17 Feb.	1
	4984	200	1201	20.01	Sa. 7 Apr.	20			1245		7 Feb.	
B.1884	4084	1941	1293		To. 27 Nor.		36	2427	1246		28 Jan.	
	4986	1942	1295	AA	Mo. 16 Mar.			2428	1247	92	14 Pah.	
100	4987		1294	14.00	Su. 4 Apr.	198		2420			4 Pch.	
1887				1	Th. 24 Mer.	13			1249		24 Jan.	
		1945		AV.	To. 15 Mar.	2		2431		25	18 Peb.	
	4990		1297		Sq. 31 Mor.	20		2432		26	31 Jan.	
The state of the s	4901	40.0	1206	A.B.	Pr. 21 Man	9		2473	Time and Microsoft II	27	19 Peb.	
1891	4992		1299		Th. 9 Apr.	28		2484		28	9 Peb.	
	4993		1300	100	Mo. 35 Mar.	ii		2436		29	29 Jan.	
- Telephone 19	4994		1301	A.S.	So. 17 Mar.	1.9	91	2426		30	15 Peb.	10
127.000	4995	4777.4644	1302	Market 1	Th. 6 Apr.					1000000	5 Peb.	
	4996		1303		Tu. 26 Wer.	24		2437		21		
	4997	A 100 m to	1304	4.5	St. 14 Mar.	75		2428		32	25 Jun.	
		1954	1386	10.0		2		2439		23	13 Feb	
	4999	1955	1306	A.C.	Pr. T Apr.	22	31	2440		314	2 Feb.	
	5000		1307	della	Tu. 22 Mar.	50		2463		36	22 Jan.	1
	5001		1308		No. 10 Apr. So. 21 Mar.	19		2143		36	10 Feb.	

^{*} The Burmese and the Caylinese fami-enter pour communes on the same may as the Handh, being derived from the lease original authorities.

A special work on Muhammadan dates has lately been produced by Herr Joh. Von Gumpach (Madden, 1856), which I have duly examined for the purpose of testing Prinsep's previously-published results. Prinsep's Tables, it will be seen, are calculated from the initial date of the 16th of July, 622, a.v., while Gumpach commences from the 15th of that mouth.

Prinsep continues to follow the Julian style up to a.v. 1750, while Gumpach introduces the Gregorian kalendar from a.v. 1582.

The tables are, therefore, uniform in their several correspondents from a.u. I to a.u. 990 = Johns, 1582 (26th or 25th of January, as the optional initial day may determine). Thereafter there is a uniform discrepancy of nine days between the two serial calculations.

'[The following is M. Gunspuch's statement determining the selection of the initial date for his tables]:—'The common ere of the Mahametana, as has already heen stated, is that of the flight of Mahomet (1, 1) the era of the Flight—Hegics). Its origin is by the Mahometana themselves befored to two distinct days; not that there is in reality a difference of opinion among them as to the true date, but that its speck is fixed upon two principles, according to the astronomical or the civil view of the case. The majority of astronomers make it a Muhometan Thursday, -15 Thursday, as the first poly (old style) 022 a.s., or the first left of Muhametan of the first year of the Hegica could majorly entered with our Thursday, the 16th July, 628 a.s., according to the Julian halonday. The majority of historical written, on the contrary, place it a day would mainly estimate with our Thursday, the 18th July, 622 a.m., according to the Julian kalendar. The empority of interview writers, on the contrary, place it a day later. All are in the habit of including in their expression of dates the corresponding day of the week, and thus not only obvaice the americalisty, which otherwise would attach to such dates, but, at the most time, afford a ready means of asternating the principle adopted, with regard to the eyech of the era, by each individual writer. Whenever the Turks express a date according to their solar kalendar, they commonly same the locar year of the Hegira, including the 1st of March or the speech of the solar year, to which that date belongs. . . As will be seen on reference to the labba, the 1st of Maharens of the first year of the Hegira has been made to coincide, not with Friday the 18th, but with Thursday the 15th July, 622 a.m.; or, astronomically speaking, the speech of the Hegira has been reserved to the moment of coincide, not with Friday the 16th, but wish Thursday the 15th July, 622 A.D.; or, astronomically speaking, the speak of the Hagira has been referred to the moment of sunset, not on Thursday the 15th, but on Wednesday the 14th July, 622 A.D. For a twofold reason. In the first place, it is in itself a matter of indifference which of the two dates be chosen for the basis of our tables, inscends as both are in use smong Mahometan writers; the week-day, as has already been observed, frequently being the only criterion for the true reduction of a given date. In the second place, whilst the Thursday is adopted by the for greater majority of Mahometan astronomers, and thus has usually to be taken in the reduction of surveymental dates, its tabular was at the council of simulation of surveyment of consulting the lates of surveyments of simulation of surveyments of simulations. nomers, and thus has usually to be taken in the reduction of astronomical dates, its tabular ass, at the same time, is more convenient to the layman, because it simplifies the conversion of civil and religious dates, which are mostly based on the Friday as the spoch of the Mahometan era. Two Christian dates are assigned to the 1st Muharram of the year 1980 of the Hegira, namely: 'J. 1882, 25th January,' and 'G. 1882, 4th February.' The former is to be taken when, in the year 1882 a.m., the given Mahometan date fulls previous to the 5th October; the latter, when it falls subsequent to the 14th October. The reason is, that our tables are computed according to the Julian kalendar or old style, up to the 4th October, 1882 a.m., inclusive, and scoording to the Gregorian kalendar or new style, since its introduction in that year, when the days were passed ever, and, the 4th October (recresponding to the 16th Ramazan 990 a.m.), being a Thorsley, the next day, a Friday (corresponding to the 17th Ramazan), was accounted, not the 5th, but the 15th October, 1582, a.m., the usual succession of the week-days being preserved.' consisting of the ten days passed over between the Julian and Gregorian styles, minus the one day initial difference, until A.R. 1112=
A.D. 1700, when the apparent difference increases to ten days, the
days of the week, however, continuing to correspond in their previous
relative degree; and this divergence necessarily remains until A.R.
1166=A.D. 1752, when the discrepancies are reconciled, and the Hijra
year is made by Prinsep, under the new series, to commence on the
6th of November, being the fourth day of the week; and by Gumpach,
on the 7th of November, corresponding with the third day of the week.

¹ The difference between the Old and the New Style up to the year 1000 was only ten days, after 1700 it was cleven days. ** Chronology of History, Sir Harris Nicholas, p. 26.



GENEALOGICAL TABLES.

The purpose of the present division of our Appendix is by no means to attempt any improvement, nor even a critical adjustment, of the catalogues of princes preserved in the legendary records of the Brahmans, but merely to afford a succinct synopsis of the principal ancient and modern dynastics of India, and of the neighbouring countries, for reference as to names, and, where accessible, as to dates.

For the early or mythological history of the Hindus, little can be done beyond enumerating the mere names, and marking the few variations in the lists of Sir Wm. Jones, Wilford, Bentley, Hamilton, Wilson, and, latterly, Col. Tod, who have endoavoured, encousively, to trace the parallelism of the solar and lunar races, and assign to them more probable dates than those extravagantly put forth in the 'Puranes.' As the regular succession from father to son is given in them, it was not a difficult task to apply the ordinary term of human generation, derived from the anthentic histories of other countries, to the adjustment of the Hindé Chronology. Thus Banca in the solar line, who is placed by the Brahmans between the silver and brazen ages (867102 n.c.), was brought down by Sir Wm. Jones to n.c. 2020, and reconciled with the Rama of Scripture; Pradyota, of the lunar race, in whose reign the last Buddha appeared, was brought down to B.c. 1029, the assumed spech of Sakya in Tibet and China; and Nanda to 699, etc. In the case of the Magadha Rajas this adjustment was the more easy, because the length of each dynasty is given in reasonable terms from Jarasandha, the contemporary of Yudhisthira, downwards; and the error might be only in the wrong assumption of the initial date, the epoch of the Kali Yuga, which the pundits allotted to the year 3101 a.c. After the discovery of the identity of Chandra Gupta with Sandracottus, pointed out by Sir Wm. Jones ('As. Res.', vol. iv. p. 26), and followed up by Wilford (vol. xv. p. 262), a further

reduction of 250 years in the position assigned to him in Sir William's first list became necessary; and the diminished rate of generations, applied backwards, brought Yudhisthira, and his contemporaries Arjun, Krishna, and Jarisandha, within the twelfth or thirteenth century before Christ. A most satisfactory confirmation of the medified epochs of Nanda, Chandra Gupta, and Asaka has been since derived from the chronological tables of the Buddhists in Ava, published in Crawfurd's Embassy, and again in these of the Ceylon princes, made known by the Honorable O. Turnour; their near concurrence with Greak history, in the only available point of comparison, reflects back equal confidence upon the epoch assigned to the founder of their religion (a.c. 544), in spite of the Chinese and Tibetan authorities, most (though not all) of which place Buddha 500 years earlier. It was this that misled Sir Wm. Jones in the epoch of Pradyota.

There are some discrepancies in the Burmese tables difficult to be explained, such as the placing of Ajátasatra 80 years prior to Sigunága, and the occurrence of Chandra Gupta still 50 years too soon: but we must refer those who would investigate this, and all other branches of the intricate subject of Hindú and Bauláha chromology, to the learned authors we have above mentioned, satisfying surselves here with exhibiting a comparative table of the gradual changes effected by the progress of rescarch in a few of the principal spechs.

Num.	Paretele date.	Synon.	With-A	Burley.	Wilson I	204. R.C.	Surmen list. 3.6.
Rabwaku and Baddha		0000	2700	1.525	-	2200	-
Rima	3102	2029	1360	1950	1420	1100	-
Sumitra and Pradyota	4 4 1 1 1 1	1029	780	119	918	-	600
Siganaga	1962	670	600	-	777	500	472
Nanda	1600	699	-	-	416	-	404
Chandragupta	1502	600	350	-	51.6	329	392
Aşoku	1470	640	-	-	260	-	330
Balin	0498	149	-	_	21	10	-
Chundrahija the last of Ma- gadhā Rājās	The second second	300 A.B	-	-	428 4.	n. 546	A.D.

The aid of astronomy has been successfully called in to fix such epochs as afforded the requisite data; thus the situation of the equinoctial column in the time of the astronomer Parasara, who flourished under Yudhisthira, is fixed by Davis in 1591 a.c.; by Sir Wm. Jones, Colebrooke, and Bentley, in 1180; which letter closely accords with the epoch of the Cycle of Parasurama, used in the Dakhan, and ap-

parently unknown to these authors, s.c. 1176. Bentley, on another occasion, alters this date to 575 s.c.! he also places Ráma in 950 s.c.; but there is great uncertainty and incongruity in many of his determinations of the dates of native princes and of books, from the prejudices he exhibits, although he is entitled to every confidence in his ingenious mode of calculating the period at which the various improvements in astronomy were introduced, and the 'Siddhantse' written or revised, by the time when the positions of the planets, as assigned by their tables, accorded best with the more accurate results of European astronomy. From the minimum errors, and the precession of the equinoxes (first applied to such a purpose by Sir Issae Newton), we have the following epochs substantially ascortained;—

Invention of the Nakshatras or Hinda Lieuer massions	1424	B,	
The Mahabharat war, according to Willord	1887		
The Solar Zediac formed by Purtours (under Yudhisthirs)	1150		
Ers of Parasurima commences (see page 158) 7th August	1176		
A Lunar Cycle layented, and procession discovered (Ekma F)	944	B	
Four Yugus, founded on Jupiter's mediana,	23.6	† B.	
Saven Manustarus, founded on Saturn's perclutions at	4.5	H	
The 'Rismayana,' written by Valmiki	291		
Varaha Miliara, flourished, seconding to Teingu astronomers (also according to Sir W. Junes, Colobrooke, etc., from procession of the	291	1 40	
equinctes)	409		
Tables of the 'Brahm's Siddblaria,' fixation of the aidered Zodine, and			
new system of Chronology, with extravaguat antiquity, compiled)	638	B	
The 'Mahabharat,' written from Krisbon's janempatra	600	AL.	
The Javanese translation of dicto, severding to Raffles, in	1079		
Visions Purass, whose genealogies of Andhra kings, 4955 a.r., of	954	W.	
Origin of the Kala Chakra, or Juvian Cycle (see proc. sect. p. 169)	965	772	
Tables of the 'Surya Sulchanta,' by Varaha Mibira		B.	
The 'Variba Sanhita,' supposed by the same author, gives its own date	1049	777	
The 'Lithvati' of Bhaskar Achbrya boars its own date	10881		
The 'Bhisratis' of Satsmands, pupil of Verahe, Sake 1821	1109		
The 'Bhagavat,' supposed by Colebrooke to be written by a grammarian in	1200		
The 'Arya Siddhanta,' compiled by Arya Bhatta	1322		
Gangashar's Comment on Bhisker Achirya	1420		
The Works of Konava	1440		
The 'Graha Laghava,' by Gonesh, his sem	1520		
and the second of the second s	1020		

Mr. Bentley would rob the seven last of a few centuries upon very insufficient grounds; he also ventures to place the authorship of the 'Râmâyana' in a.p. 291, and that of the 'Mahâbharata' in a.p. 600, on far too slender astronomical data: but his mania for modernizing

¹ [This should be 1150. Bhaskar's own date being 1072 Saks = a.b. 1150. Cole-brooks's * Arithmetic and Algebra of the Hindda. Tritroduction ii. H. H. W.]

renders his testimony of the advanced knowledge of the Hindús in astronomy, at so remote a period as the fifteenth century before Christ, the more valuable; and we can have little hesitation in giving credit to the lines of princes assigned to this space, and even to further antiquity, although their history has been mixed up with incredible mythos, and a falsified chronology. The more moderate and rational dates preserved by the Bauddha priests would lead to a supposition that the Brahmans had purposely antiquated theirs, to confound their rivals in the contest for ascendancy over the minds of princes and people. That they should have suspended their histories with Sumitra of the solar, and Chandrabija of the lunar line, in the fifth century, might be naturally accounted for by the predominance of the Buddhists at that period, or more probably by the destruction of the Hindu monarchies by the incursions of the Huns and Turture. The 'Puranas,' or at least the prophetical supplements describing their genealogies, must have been compiled long afterwards, and the relative dates then falsified. But the principal blame in the business seems to fall upon the extronomers, who are accused of throwing back the commencement of their era; for, taking the data of the Pauranie tables, and allowing, with them, 1015 years from Yudhisthirs to Nauda; and from the latter prince to Puloman 836 years (which name is identified with Poulomien of the Chinese by Wilford, and placed in the year A.D. 648), the highest estimate of the 'Bhigavat' gives 1857 a.c. for the epoch of the 'Kali Yuga,' instead of the 3101 assigned in the astronomical works; while in the Brahmanda Puring it is brought down to n.c. 1775; and in the 'Vayu Purana' to z.c. 1729. The Jains, it is said, adopt the still more modern epoch of 1078 n.c.; and if Anjana of Crawfurd's Burmese chronology, founder of the sacred epoch, be Arjuna, this contemporary of Yudhisthira is placed by the Bauddhas so late as 691 p.c. !

The Jains are generally also the most trustworthy authorities for the Middle Ages. To them it is asserted that Abo'l Fazl is indebted for the series of Bengal, Malwa, and other princes, published in the 'Ayia Akbari' with every appearance of accurate detail. The 'Raja Taringini' of Kashmir also, the only Indian history of any antiquity, begins with Buddhist theogeny. The Hajavali collection of genealogies is quite modern, having been compiled by Siwai Jaya Sinh, of Ambir, in 1650. Neither that nor the native bards and chroniclers, whence the valuable data for the more modern history of Hindústán were furnished to Col. Tod for his 'Annals of Rájasthán,' are to be trusted when they trace the ancestry of their princes back, and strive to connect them with the later heroes of the 'Puránas'; nor even to the earlier centuries of the Christian era, in which we find hardly any

of their names confirmed either by grants, coins, or by the historians

of neighbouring countries.

More authentic in every respect are the copper-plate grants, dug up in many parts of India, and the Sanscrit inscriptions on columns and temples, of which many have been deciphered and published, although the subject is by no means yet exhausted.1 Owing to a fortunate pride of ancestry, most of these records of kingly grants recite a long train of untecedent Rajus, which serve to confirm or to supply vacuities in the more scanty written records. Of the value of these to history we cannot address a better instance than the confirmation of the Bhupala dynasty of the Bajas of Gaur, as given by Abu'l-Fazl in the occurrence of the asmes of Devapala, Dhermapala, Rajapála, etc., on the several monuments at Monghir, Buddal, Dinajpur, Amgáchi, and Sárnáth near Benares, where also the date and the Bauddha religion of the prince are manifested. It was supposed by Sir Charles Wilkins that the two first inscriptions referred to the first century of the Samvat era; but, as shewn by Mr. Colebrooke, as well as by actual date at Sárnáth, they rise to earlier than the tenth. Indeed, the occurrence of inscriptions bearing unequivocal dates, anterior to that period, is very rare. Col. Tod adduces one of the fifth century (Samvat 597) discovered near Kets. Mr. Wathen has also recently produced two of the fourth and sixth conturies, dug up in Gujarat, which confirm, or rather correct, the early records of the Saurashtra dynasty. The oldest, however, exist in Ceylon, where they have been brought to light by Cuptain Forbes and the Henerable Mr. Turnour; some of these, of which translations are published by the latter author in the 'Coylon Almanac' for 1834, are secribed, on evidence of facts mentioned in them, to the year s.p. 262; but they bear no actual date. The period most prolific of inscriptions is from the ninth to the thirteenth century, when an anxiety soems to have prevailed among the priests to possess graven records of grants from the reigning or from former sovereigns, in order probably to secure their temples and estates from spolistion or resumption in those turbulent times. One of Col. Tod's inscriptions, translated by Mr. Colebrooke, in the 'Roy. As. Soc. Trans.', vol i., expressly declares a rival grant to be futile, and derived from an unauthorized source.

The value of inscriptions, as elucidations of history, cannot better be exemplified than by the circumstance of the Burmese inscription in the Pall character found at Gaya on the visit of the envoys from Ava in 1827, of which a translation was printed in the 'Jour. As. Soc. Beng.', vol. iii. p. 214. It records the frequent destructions and

I [These remarks were published in 1835 A.D.]

attempts to repair the Buddhist temple there, and the successful completion of it in the Sekaráj year 667, s.b. 1306. Now Col. Tod's Rájput annals of Méwar make particular mention of expeditions to recover Gaya from the infidels in 1200-50, which might not but for

this record have been capable of explanation.

Where dates are not given in inscriptions, the style of the Nagari character will frequently serve to determine their antiquity. The cave temples of the west of India exhibit the most ancient form; the Gujarat type, above alluded to, of the fourth century, has a part connection with them, and part with an inscription at Gaya, and another on the Allahábád Lát; these again are linked by intervening gradations to the Tibetan alphabet, of which we know from Tibetan authors the existing Nagari of Magadha was taken as the basis in the seventhcentury. We shall soon be able to furnish a tolerably accurate paleographical series of the Devanagari, but can here only allude to the subject. In the tenth and eleventh centuries it undergoes the modification observable on the Gaur, Sárnáth, and Shekawati inscriptions, resembling very nearly the Hengali type, of which it is doubtless the parent. The modern Nagari is found on monuments of the thirteenth century, when the irruption of the Moghals prevented any further change. There is also a still earlier character on the Dibli, Allahabad, and Tirbut Late, which remains yet undeciphored; strong reasons have been advanced for its alliance to the Sansorit group, if it contain not indeed the original symbols of that language. (See 'Jour. As. Sou.', vols. iii. iv.)

In all other ecuntries, coins and medals have been esteemed the meet legitiensts archives and proofs of their uncient history. In India, little recourse to such evidence has hitherto been available. The few Hindú coins discovered have been neglected or deemed illegible. The subject is, however, new attracting more attention from the recent discovery of Bactrian and Indo-Scythic coins in great abundance in the Punjáb, bearing names hitherto quite unknown, in Greek, and on the reverse side in a form of Pehlvi character. The series is continued down to, and passes insensibly into, the purely Hindú coins of Kansuj, and some are in our possession, with Greek and Sanscrit on the same field. This very circumstance tends to bear out Col. Tod's supposition of the Kansuj princes having an Indo-Scythic origin. Yavan-asva, their progenitor, may indeed be 'the Greek Azo,' of whose coins we have so pleutiful a supply.' The Sanscrit characters on the Kansuj coins are of the earlier type, be-

¹ Col. Berney coads the date, which is rather indistinct, 467, or a.u. 1106; but the above evidence tends to confirm the original realing.
² See vol. i. p. 196.

longing to the fourth or fifth century: they will soon, it is hoped, he read, and put us in possession of several new names.

Other coins, in a still more encient character, and nearly resembling the undeciphered letters of the Lats or the cave-sculptures, are dug up in the Dihli district: they are found in company with Buddhist relies, and will, hereafter, doubtless, lead to historical information.

A third series of coins, with devices of a Brahmani bull, and a horseman, bears the Gsur Nagari of the tenth century; on this several names have been made out, Bhimsdeva, etc.; and on some the Persian titles of the first Mussiman conquerors are impressed.

A fourth series, with a sitting female figure, is in the modern Nagari, and is probably the letest of the Kansuj coins. The early Muhammadan coins of Sabaktagin, Mahmod, etc., frequently have a partial admixture of Nagari, which will aid in locating the rest; for while this provoking dearth exists with regard to Hindu coins, we find coins with legible names and Hijrs dates for the whole line of their Muhammadan conquerors, whose history is amply preserved without their aid.

One confirmation of a historical fact from numismatic aid has been remarked in the discovery of the name of Vása Deva or Bas Deo on a Sassanian coin. Ferishm states, that Bas Deo, of Kananj, gave his daughter in marriage to Bahrim of Persia, a.v. 330:—the coin marks exactly such an alliance; but the Hindú chronicles admit no such name until, much later, one occurs in the Málwa catalogue of Abú'l-Fuzl.

In the dynastics of Nepil and Assam, (at least from the middle of the seventeenth century), we have been whelly guided by coins in our possession; and it might be possible, by persevering search, to obtain from the same source the names of many Rajas autocedent to this period, which are now doubtful or whally unknown.

From the time of the subversion of the Moghal empire in the middle of the last century, the historical train of their coins ceases to be available; all the native states having, in imitation of the English, struck their money in the name of a nominal sovereign of Dihli, with no regard to dates, or even to the existence of the monarch; and up to the present time, we have had the names of Muhammad Shih, Alamgir II., and Shih 'Alam, issuing simultaneously from the native and the Company's Mint, while a second Akbar sways the pageant sceptre of the seven climes.

It must be confessed that a large field still remains open, for the re-investigation of the middle ages of Hindu history, in judicious

¹ See 'Jour. As. Soc. Beng.', vol. Hi. p. 495.

hands; for independently of the new materials new before us in the numerous coins lately discovered, and in many new inscriptions, we have the aid of the foreign histories of Ceylon, Ava, Tibet, and China; we have access to the native volumes before only consulted through interested pandits; and we have Col. Tod's ample traditions and real archives of the principal portion of the Indian continent, the sent of all its important history. To say nothing of the minute and circumstantial numismatic histories of Greece and Reme, it is principally to coins that we owe the history of the Arsacidæ of Persia, through Vaillant's investigation. The Sassanian dynasty has also been illustrated from similar materials by Frenhn and De Sacy. Marsden has extended the same principle to the Muhammadan princes of Persia and India, and to some few Hindu states, in his 'Numismata Orientalia;' and its application may be still further arged in the latter line with the greater success, in proportion to the greater dearth of other materials for history, as is exemplified in the coins of the Bactrian provinces. The first thing to be done will be to expunge and loss sight of the learned but entangled accounts of Colonel Wilford and others, which, while they have confused, have frightened critics at the perplexity of the subject. The three Vikramadityas, and three Raja Bhejas, invented to reconcile diserepancies in dates, will perhaps be found as little needed as the multiplication of Buddhas, the two principal of which are now seen by the identity of their biography to be the same personage.

Of the confirmation of the testimeny of inscriptions by that of coins, we have remarkable instances in the Chandragupta and Samudragupta of Kansuj, names first discovered on the Aliabábád pillar, and now fully made out, along with several others of the same dynasty, on the gold coins found in the rains of that encient town. In no other record have we any mention of these severeigns, who must have been several centuries anterior to Chandra Deva, the founder of the last reigning

dynasty, which was overthrown by the Muhammadans.

The native dates of events, as has been already stated, are most vague and uncertain: still there are instances in which they have undergone further perplexity from their European commentators.

The losseness with which the chronology of the Paurinic genealogies has been investigated, is pointed out in Mr. Wilson's remarks on the 'Vishnu Purana,' the authority whence Sir Wm Jones' list was furnished by his pundit ('Jour. As. Sec. Beng.', vol. i. p. 487). By some mistake he gave 345 years to the Kanwa dynasty of four Rajas, and in this he was blindly followed by Wilford and Bentley, both professing to consult the original. Now all the manuscripts examined by Mr.

^{1 [}See vol. i. p. 225.]

Wilson give only 45 years. Indeed, when the epoch of Chandragupta is adjusted, the periods given in this 'Purana' from Parikshit (s.c. 1400) down to the termination of the list in 4.p. 436, are quite rational.

A more glaring instance of error, sanctioned, nay almost perpetusted, by the extent to which it has been apread, has originated in blindly following the authority of the pioneers of our Sanskrit researches; and it is strange that it has never been detected, that we are aware of, up to the present day. We allude to the mode of converting the Sansvat of Vikramaditya into the Christian era, by subtracting 56 instead of 57, thereby inducing a constant error of one year in all dates of chronicles, deeds, and inscriptions so read. We have taken some trouble to trace the origin of this mistake from curiosity, and it shows how subject we are to rest upon the assertions of others without duly scrutinizing the data on which they may be grounded.

Vikramaditys died in the Kall Yuga year 3044, according to Wilford, whose essays in the ninth and tenth volumes of the 'Asiatic Researches' contain the fellest information on the history of the three supposed princes of this name, and of their common rival Salivahana. The first Samvet, therefore, concurs with the year 3045 s. r.; and to convert the latter into the former, 3044 must be uniformly deducted. This calculation agrees with Warren's 'Kala Sankalita,' (see p. 157, and Tuble), also with Abi'l-Parl's statement, that 'in the fortieth year of Akbar's reign (a. s. 1003, commoning 5th Dec. 1594, and ending 25th Nev. 1595, s. o.) there had slapsed 4696 years of the era of Yudhis(hira (Kali Yuga), making its commencement, 3101, s.c.

Also 1652 years of the era of Vikramaditya (1652-1505 - 57, n.c.) and 1517 years of the era of Sáliválsana (1595-1517 - 78, a.p.).

The Bangili Almanacs, published at Nadiya, give precisely the same agreement. The Almanac of the Sadar Dewani, and the statements at the head of all the regulations of Government, coincide therewith: thus, the Samvat year 1877 began on the 15th March, 1820 — 57 years difference. If further evidence is required of the knowledge of the true era in possession of English authors, we have in Buchanan's 'Mysore,' vol. iii., p. 112 :— '3786 years of the Kali Yuga had now elapsed, of which the particulars are, 3044 years of Yudhisthira,

136 years of Vikrama, 607 years of Sáliváhana,

3786 X.T., or A.D. 685.

One Bengali Almanae, however, printed in Calcutta, which was brought to us for comparison, had both the Samvat and Saka era one year in defect; the Bengali San being the only era now used in Bengal, little cure is taken in regard to the rest. The Kall Yuga, the foundation of all, was, however, correct.

Here the interval between 3044, whence the Samvat commenced, to the Saka, is 135, or 57+58 years; (or 135-685-607=57).

Again, Dr. Hunter, in his account of the astronomical labours of Raja Jai Sinh, dates them in '1750 Samvat, or 1693 a. n.,' making the interval 57 years.

Sir William Jones, residing in Calcutta, where the Samvat is not used, in his speculations on Hindú chronology, only alluded to the Kali Yugu. Davis, in his account of the native method of celipse calculations, used the Saka only; but he frequently alluded to the Kali Yuga, the first year of which he correctly placed in 3101 a.c.

Whence then can the now common, may, almost universal, application of the subtrahend 56 have proceeded? Simply from Wilford's having placed the Kuli Yuga epoch in 3100, instead of 3101 a.c., in his cosay expressly written to settle the eras of Vikramiditys and Sáliváhana, to which too much confidence has been given by subsequent writers. Having everywhere assumed this erroneous datum, it followed that the Samvat epoch, which he rightly placed 3044 after Yudhisthira, would conour with 3100-5014 - 56 s.c. But whence did he get his erroneous epoch of the Kali Yuga? This also we may conjecture, having already seen him convicted, on another count, of blindly adopting Sir W. Jenes' data. Sir William, in his ' Essay on Hindó Chronology' ("As. Res." vol. ii., p. 126), says, "4888 years of the Kali Yuga are passed up to the present time; and his table of comparative epochs is calculated from 1788, a.o., leaving an obvious difference of 4888-1788-3100, a.c., which Wilford seems to have adopted. Had he however, looked to the heading of the article, he would have found the date 'January, 1788,' consequently the Kali Yuga year commencing in April, 1787, had not yet expired: the true difference therefore was 4888-1787-3101, or more exactly 31002 years; or, for the Samvat, 56%, in the nearest round berms 57.3 (See p. 157.)

Wilford is not the only author who was thus led to adopt the wrong equation. Colebrooke and Wilson always use 56. Jervis's Chronological Tables have the same intercal; and Colonel Tod employs it throughout his voluminous chronicles of the Rajputs, thereby throwing all his events forward one year, excepting such as fall in the

precisely.

In a previous part of the very same volume, p. 47, Walford had used 57. In some places he makes the spech of the Kali Yugu 2001 instead of 5101.

² There is another advantage in adhering to the difference 57 in general terms rather than the new corrector number, 564, namely, that before the year 1752 it was outdomary, in England and most parts of Europe, to commence the year in the month. of March, or on the Easter moon; so that for all dates enterior to that period the European year may be accounted to have agreed with the Hindo luni-solar reckening

months Paushs, Magha, Philgun, and half of Chaitra, subsequent to a.D. 1752. He himself notices here and there a discrepancy of one year with the Mussalman historians, which is generally attributable to this cause alone.

Captain Full always uses the correct formula, having had access to native almanaes or to pundits. Mr. Stirling, in his 'Account of Orissa,' has the right epoch of the Kali Yugs; but he applies a wrong equation (+77) to the Saka era of his Orissa rijas. It is possible that this may be the mode of reckening in that province; for we find the Saka vary a year or two also in Burmah and Java, if these variations are not indeed attributable to our English references; for, us we have seen above, they are by no magns infallible!

The term Samvat does not apply exclusively to the era of Vikramáditys. Colebrooke first corrected this erroneous supposition in regard to the Samvat of the Gaur ioscriptions, which probably commenced with the Bhupála dynasty, about 1000 a.m. Colonel Tod has also cetablished the fact of a Balabhi Samvat in Gujarát, dating in 318 a.m., and a Siva Singha Samvat, in the same sountry, coinciding with 1113 a.m. This circumstance must be particularly attended to in examining ancient documents.

Kirkpatrick mentions that Raghava Deva introduced the Samvat era into Nepál; adding, that the Newar era is, however, generally used there, its origin being unknown. Now in the list of Nepál rájáa, from Hara Sinha Deva, a.p. 1325, lesek to Raghava Deva, there are but three reigns of extravagant lengths, viz., of 88, 85, and 80 years; if these be cut down to the usual average, the date of Raghava will fall about 880, which is the epoch of the Newar era, so that in all probability the term Samvat in this case merely applied to the latter era, and not to that of Vikramáditya.

It is frequently the custom in eastern authors to estimate dates backwards from the epoch of the writer or compiler. Thus, in the Buddhist chronology of Tibet, translated in M. Cooma's 'Tibetan Grammar,' we find, 'from the incurnation of Shakya 2647 years,' meaning anterior to a.n. 1686. In these cases, and particularly where time is estimated in cycles, great caution is necessary in fixing the initial date, and it is not improbable that from this source has arisen much of the confusion of Hindú chronology; as, for instance, from throwing back the origin of the Kála-chakra system, or Jovian cycle of sixty years, which is traced (see page 161) to the year a.n. 965, as far as regards its introduction into India. Individual inaccuracies are hardly to be wondered at where events are chiefly chronicled from after-recollection. Thus the bard Chand is 100 years out in one place, according to Tod. Amír Khén's 'Biography' is one year out for a

long period, and endless instances of the same inaccuracy might be adduced. The Muhammadans are generally very particular in their dates, and so are the Hindus where they inscribe a deed on brass; -in this case they frequently allude to some eclipse or full moon, the act of donation being more pions for its occurrence on a religious festival.

It is hardly necessary to enumerate the authorities for the different catalogues to which we may now proceed, since they will be mentioned under each dynasty: but it may be as well to promise that A. A. against a name or date denotes Ayin-i-Akhari; F., Ferishta's history; J., Jones; Wil., Wilford; R., Bentley; T., Tod; H., Hamilton; and W., Wilson.

All dates have, for naiformity sake, been expressed in Christian years, which can rendily be converted into the various native reckon-

ings by the rules given in page 172.

As a convenient preface to the raythological entalogues of the Solar and Lanar dynasties, a tabular sketch of the Hindú Theogony, with a few additional memoranda regarding their excred works, etc., have been inserted. For more ample details on this subject, Moore's 'Hindu Puntheon,' and Coleman's 'Mythology,' or the standard work of Ward on the Hindus may be consulted; while, for the Purknic generalogies at length, the elaborate tables published by Dr. Hamilton, at Edinburgh, in 1819, although inconveniently expended in dimensions, will be found the most complete and authentic reference. The tables of Sir William Jones, Wilford, and Bentley, in the 'Asiatic Researches,' have the addition of dates; but, as before remarked, these are hardly admissible in the earlier periods of fabulous history.

In regard to the tables of the Muhammadan sovereigns, it has been thought sufficient, as their history is so readily accessible, to insert merely their names and titles at length, to facilitate the identification of coins, etc., where frequently only a part of the title is visible. To connect the line of these intruders into Hindústán, it was also unavoidable to carry back the list to the Persian, the Arsacidan, Syrian, and Bactrian monarchies; for, although properly speaking beyond the limits of India, their history is, from the time of Alexander, continually mixed up with that of the rich and fruitful country to con-

stantly the prey to their invasions and plunder.

TABLE XV .- Hinda Theogony.

I. THE INVENTED ADMINISTRY CHEATON, OF THE VERSA, DEADER.

The Hinds Trinity, or Trimurti	Brumba.	Visken.	Siva.
Their consorts	Sarsawati, Sakti, or Mivs.	Lakshmi, Padmi, or Bri.	Phrvati, Bhawhaf, or Durga
Their attributes	Creator. Hansa, a guesa.	Preserver.	Destroyer. Nandi, bull.
Their attendant values, or relation Their studions	Time. Marg.	Water. The Sun.	Pire. Jepiter.
Their common titles, A U M	Parameware.	Narayana Salisyana	Mahhdeva. The Lingam,
Figure under which they are wee-	Mestally.	and 9 Avathras	under his mit-
Analogues in Western Mythology	Satura.	Jupitor,	Jupiter.

2. OTHER MINISTER OF THE BINDS PARTIES, AND THEIR SUPPRIED ANALOGUES IN WESTERN MYTROLOGY, ACCORDING TO SEE WILLIAM PONCE.

Saroswati	Valperini Durgh Niroda Niroda Krishea Bhawini Kali or Durge Agni Swibb Aswini-bu mira sanga Arabi Araba Araba Katera Quagh Vaya Sri Anna Parna	The river Styx. Lone. marcery, music. Apollo. Venus. Proscrpine. Valoan, fire. Vesta (his wife). Caster and Pollux. Aurora, Diana. Plutus, god of rinhes. The river Ganges. Michas. Gerss. Anna Perenna.
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3. THE TEN BRANCASH CHILDRED OF BRANCA, OR TRAJAPATIS, LORDS OF CREATED SHEEPS.

1	Marichi,	Morality.	1 6	Britu.	Piety.
	Atri			Duksha	Ingenuity.
	Angirasa			Vocabilia	Emulation.
4	Pulsetya	Patienes.	- 0	Hhrlgs	Humility.
	Puluba	Pride.	19	Narada	Rosson.

4. THE SAVER MENTS OF THE PRESENT CREATION.

- Swayambbuva, Adam ? 4005, p. c.
- 2 Swarochesha.
- 3 Uttama. Thmess, Chate, Thatman of Egypt. ?
- Baivata.
- Charles hashed 6
- Valvaswata ov Satyavrata, Nosh? 2050, p. c. 7

5. THE REVER BISHES, SPRENG WATER FROM SHARES.

- 1 Kasyapa, Muni. 5 Gautama.
 2 Atri, Muni. 6 Jamahagai.
 3 Vasiahtha. 7 Bharadwijs.
 - 6. THE TEN AVAIABAN, OR INCARNATIONS OF VISIBIL.

1 22 2	Mutoya Kuema Varaha	The fish, The turtouse. The boar.	 Rissa Of the solar race. Krishua Of the lanar race. Buddha Of the Buddhists.
4	Namainha Vimana	The lion. The dwarf.	Dhorus-blookens or Kelki-avatar, to appear at the close of the Kali
	Puramorana.	Sup of Jamadagni	Yura-

7. THE ELEVEN AUDRAS, OF	A ARRONAL	MARITANEA.
Ajathapoda	Molyana. Bana. Boawa Aja. Bawati. Ugra. Bhima.	1 Mrigaryhdha. 2 Sarwa. 3 Nirriti. 4 Ajekapad. 6 Ahirrindhau. 6 Pinkin. 7 Aparajita. 8 Havara. 10 Kapadin. 11 Sthanu. 12 Bhava. (J.P.)

S. THE BUILT TARCE ; A KIND OF PENI-GOD.

ı	Dhava.	5 Anils, or wind
0.	Druva.	8 Annia, or fire.
	Some, the moon.	7 Prabhusha.
	Vishuu.	8 Prablusa.

9. THE TEN VILLEWAR, A CLASS OF PRITT WORKSPPED IN FURRIAL OREQUER.

1	Varu.	6 Ktma,	
2	Satus.	7 Dheiti.	
1	Krista.	8 Kuru,	
4	Duksha.	9 Pururar	s.
5	Kala	10 Madray	a.

10. THE SIGHT DESPALAS, GUARDIANS, AND THE SIGHT BIRPAYIS, LORDS, OF THE CANDINAL POINTS.

1	Indra	East.	1	Surya	The Sun.	
2	Agni (ne Vahni)	South-east	2	Sukra	Venus.	
	Yama	South.	2	Mangala	Mars.	
4	Nairrita	South-west.		Ribb and the second	Ase, node,	
6	Varuna	West	. 5	Soni pomeronioni	Saturn.	
6	Marut (Vaya, Payan)	North-west.	6	Chandra	The Moon.	
7	Kuvera	North.		Buddha	Mercury.	
8	Isana (Prithivi)	North-east.	F.	Veihasputi	Juniter.	

IL THE TWELVE ADITION; MONTHLY NAMES OF THE SUN.				ADITTAN, AU	CUBBIU	
3 4 5 6	Varuna. Surys. Vodangu. Bhānu. Indru. Ravi.	7 Gabhasti. 8 Yama. 9 Swarnareta. 10 Divakara. 11 Mitra. 13 Vishpu.	123456	Dharri Aryuman, Mitra Varuna. Anna. Bhaga.	7 8 9 10 11 12	Indra. Visaswan. Puchan. Tweshtri. Savitri. Vishpu.

12. THE TWENTS-REVER HARDESTRIS, DADDUTTERS OF DARKES, OR LUNAR MAINTON.

1	Aswini.	1 10	Magha.	1 19	Mdlh.
2	Hazuni.	11	Parva Phalguni.	20	Purva Asarha.
3	Kritika	12	Uttera Phalguni.	21	Uttern Kehrhis.
4	Robini.	13	Hasta.	22	Stavana.
5	Mrigorira.	14	Chitrs.	23	Disneshtha.
6	Ardra.	16	Swati.	24	Satabhisha.
7	Punaryum.	16	Visikha.	25	Purva Bhadrapada.
	Pushya.	17	Aguradha.	126	Utters Bhadrapads.
	Asleshia	18	Jaymhthu.	27	Berati.

IS. THE RANGE OF PRODUCE.

Buddha, Sakya-muni or Sinha, Gautama, Tathiguta, Maha-sromana; Saudho-dani, from his father Sudho-flana; Arkahandha, or kinaman of the Sun; Maya-deri-enta, or child of Maya.

But, of the Mussimhes.
Buddas and Sarmans, of the Greeks.
Marcurius Mayer filius, of Hornes.
Bud or Wud, of the Pages Arabs.
Weden, of the Egyptians.
Toth, of the Egyptians.
For, For, or Fo-bi, and Sarks, of the Chinese.

Poet, of Siam.
Sommerskedem, of ditte.
Godema, of Ava.
Kahaka, of Japan.
Chahakaut, of Tonquin China.
Chom-din-das,
af Tibet.

ddbs.

Bouldha System of Theopmy.

Adi-Buddha, the Supreme Being, created by dayon five divine Buddhas, who are quiescent, viz. :---

3	Vairochana Akabobhya. Ratna. Sambhava. Amitabha. Amogha Siddha.	Rush of whom produced from himself his son, or Bothinstwa,	-	Sumante Bhadra. Vujra Puni. Ratus Puni. Padus Puni. Viswa Puni.
3	Amogha Siddha.) in morning and		Viswa Pani.

The Buddhist Triad, or myetic syllable A U M, is interpreted :-

A, the Vija mantra of the male Buddha, the generative power.

U, ditto of the female Dharma or Adi Prejui, the type of productive power.

M, ditto of Sanga, the union of the essences of both.

The seven human or earth-horn Buddhas.

1 Vipesys. 2 Sikhi.	1 5 Kamaka Muni.
2 Sikhi.	6 Kasyapa, and
3 Viswa Bhu.	7 Sakva Sinha
4 Karkut Chand.	Arya Maitri, the future Bu-

14. THE TWENTY-FOUR PINAS OF THE PARKAGES, OF THE PAINS.

		Where here.	Where died.
1	Admath or Righabhanith	Ayulkya.	Gujarat.
2	Ajitin6th		Mt. Siklar (hed.
3	Sambhunath	Sawante.	Parisnath.)
4	Abkinandansnáth	Ayothya.	71
6	Samatinath	W	- 6
0	Padmuprebbunith	Kausambhi.	
7	Suparawanistis	Bunger.	
8	Chandraprabha	Chandripur	- 11
9	Chandraprabha Savidhenath or Prabpadanta	Kakendrapuri.	H.
10	SitulanAth	Hundalpur.	- 91-
11	Bri Ansanath	Simila.	W
19	Vasopādys	Changapuri.	Champspuri.
11	Vimalanath	Kompalapuri.	Mt. Sichar.
14	Amustan hills, management or the	Ayodhya	10.
20	Dharmanath	Batampurk	11
10	Santunath	Hastintpur.	16
17	Kunthankth	- 11	16
10	Armsth		19
19	Mallinith	Mithila:	- 11
30	Monionvesta	Dalgriba.	19
21	Nemfu4th	Mithila.	an Other
22	Naminath	Dwarika	Mt. Outhers.
23	Parswanith	Bestres.	Mr. Gikbiar
24	Vardhamans or Maharies Swims	Chirmbot.	L'awapari.

15, THE MAPPA DWIFAR OR DIVISIONS OF THE ANCIENT WORLD, BULED BY THE MINS OF PRITADRATA, RING OF ANTABYEDS.

Other Division	100	Kung Sir	teles.
Jambuswipa Angadwipa Yumadwipa Yumaladwipu Sanklardwipu Kashadwipa Vurshadwips	India Nepal) Amam, Aval Malaya Africa Assyria Europe	I m'ndwips The behadwips Solned lenge Koracchedwips Koracchedwips Tuckendwips	India. Asia Minor, W., Cerion? W., Assyria, Persia, etc., Nese the Baltie? W., Part of Kushadwips, Britain? W., Part of Kushadwips, Iroland? W.

16. THE POUR PRIME.

	Sams veds. Atharva veds.

IT. THE POUR TRAVERAGE

1	The Ayush	Medicine.			
2	The Gardharva	Music	1 4	The Sthäpstyn	Mechanies.

THE THE SIX ANDAS, OR BODDEN OF LEARNING.

T	Siksha	Pronunciation.		Ebsous.	Prosody.
3	Vyakamaa	Religious acts. Grantmar	6	Fyetish Nireksi	Astronomy. Interpretation of Vedar.

19, THE POUR UPÁNUAS.

1	Puraga	Bistory, comprising the eighteen Perious.
2	Nyaya	Logic, and the principles of knowledge. Religious principles and duties.
-6	MINISTRA CONTRACTOR	Religious principles and duties.
4	Dharma shastra	Law, human and divine.

20, THE BUSYNESS PUBLISHS.

	20, 188 Ment	PER 1	URABAS.
1234557 80	Brahma-purings. Padma, or lovae. Brahmanda, ogg of Brahma. Agneya, or Agni, fire. Valshaava, or Vishna-purings. Garada, Vishnyo's bird. Brahma-valvarita, or transfermations of Krishna (as the sugresse). Salva, or of Siva. [Vaya replaces it.] Lingu-puring.	10 11 12 13 14 16 16 17 18	Namia. Skanda. Markapda. Ilharishya, prophetic. Mateya, or the fish. Virrain, or bear. Kdena, tortoise. Vanues, or dwarf. Sci Bhagavata, or life of Krishpa,

21. THE SIX PRINCIPAL SECTS OF THE STREET,

- 1	Salva	Worshippers of	Siva, in his thousand forms
2	Valuents		Vialityin.
	Bauriya	A	Surys, or the Sun.
	Gamputya		Gascoin.
5	Santa	H	Rhawkni, or Puresti.
	Bhagavati		Who recognize all five divinities a ually,

PAURÁNIC GENEALOGIES.

Time XVI.—Descendents of Sudgentenson, the first Manu, King of Brahmavarta, and progenitor of mankind (Adam? J.), according to the 'Bhagavat Purana,' H.

[Professor Wilson (Preface to 'Vishno Purina') reviews in detail the date and authenticity of the 'Bhagavata Purina;' his conclusions on these subjects may be gathered from the following quotation:—

'The statement of the text is of staclf sufficient to show that, according to the received opinion of all the authorities of the priority of the eighteen Purkpas to the Bharsta, it is impossible that the 'Sri Bhagavata,' which is subsequent to the Bharsta, should be of the number..... There does not seem to be any other ground than tradition for ascribing it to Vopadeva, the grammarian; but there is no reason to call the tradition in question. Vopadeva dourished at the court of Hemidri, Rajk of Davagiri, Deogue, or Dowletabed, and must consequently have lived prior to the conquest of that principality by the Maharamadans in the 14th century. The date of the 12th century, commonly assigned to him, is probably correct, and is that of the 'Bhagavata Purkpa,' p. 31.']

BRAHMA. SWAYAMERUVA.

Utrakarada, King of Bharatkhanda. (Prom whom descended the Kings of Brakmanaria.)

Dhruya.
Vatsara.
Pusparna.
Vyushta.
Saryatajas.
Chazusha.
Utonka.
Angga.
Vona-adharmaraja.
Prithu.
Vijitaswa, or Antardhyana.
Havirdhana.
Varhishata, or Prachinahvarhi.

Prachets, and 9 brothers.

Daksha Prajupati,

Among whose numerous progony overs
10 daughters, married to Dharma.
13 daughters, married to Karyupa Mund,
the one of Martchi (see Boles race),

progration of men, animals, regutables, etc.

Dank, mether of evil genil, counts, etc.

Diti, metter of the Daltyne, or Access.

Adid, mother of the gods and Suras. 27 daughters, the Nakahatras, married to the Moon.

t daughter, mether of the 11 Endres, and others of less importance. PRITAVRATA, King of Antarvoda.

Austronia, King of Jambodwipa.

(From uchun descended the Kings of Bharathhands.)

Nahhi. Bishabha-deva.

Bhurata, Vridhusina (Sumati, * V. P.*).

Devatajit (Indrayemus). Devatyemus.

Devadyamas. Parmeshthi (Parameshtin). Pritiha (Pratihara). Pritiharta (Pratiharta).

Bhuns (Bhers). Udgiths.

Practice.

Prothuesta. Nakta.

Chitracetha (Nera A Succession varies considerably in 'V. P.' p. 165.)

Somenta. Marichi (see Solar race).

Martini (me Bindrona Madhu. Viravrata, Mantha

Manthu. Rhouvana Twashtha

Viraja, and 100 sons, whose names are unknown.

Table XVII.-The Surya-cause, or Solar Dynasty, collated from the lists of Jones, Wilson, Tod, and Hamilton.

Marichi.
Kasyapa Muni, married Aditi, Daksha's daughter (see Table XVI.).
Vivaswana, or Sarya, the San.
Scadhadeva, or Vaivaswata (the Sun), King of Ayodhya.
Ikshwaku, in the Treta Tuga.—s.c. 3500, J.—2200, T.

Priyavrata was also father of Idhmajabha, King of Piakaha Dwipe; Yagyabahu, of Salmala Dwipa; Hiranyarita, of Kasa Dwipa; Ghritapriahtha, of Krannoha Dwipa; Medhatithi, of Saka Dwipa; and Bithetra, of Puskara Dwipa; of whom the descendants are not traced farther than the first generation.

Thishabha-deva was also father of the kings of various other nations, viz.:—
Kusa-warta, of Kusa-warta-des; Ila-warta, Brahmh-warta, Malaya, Ketu, Bhadraséna, Indrasprik, Bidhachha, and Kikata, of dense, or countries, bearing the same
names; besides the sine immortal Seddhan,—Kabiyaga, Huri, Antarina, Prabuddha
Pippalayana, Abirbotca, Dranila, Chumasa, and Karubhajana; also eighty-one
Behamara, names unknown.

³ [I do not think it necessary to overtime these corrections of mere nominal list of fabulous ages.]

From whom sprung the two Solar Dynasties.

OF AYOUMTA (OUUM). Vikukshi (did not reign, W.). Kukutat'ha, or Purameya. Anenas Prit'hu An-Prithe, T. Viswagandhi, Visvagaswa, W. Chandra & Ardra, T. W. Bhadrardra, W. Y qvaghewa. Srava, Svasava, H. Vrthadas'wa. Dhundhumara, Kuvalayaswa, W. Drid'har'wa. Haryna'wa. Nikumbha. Varmaswa, T. H. Cris'tews Sankataawa, W. Benajit, Prisensjit, W. Yuvaniswa, H. W. ser. J. Suvindhu, T. King of Septadwips. Mándháta Purukutas. Transdasyu, sor. T. Anarunya. Prishadaswa, W. Haryas'wa, H. W Praruna, Armaa, H., Vesquana, W. Trivindhana, Tridhanwa, W. Satyavrata, Trayaruna, W. Savritha, T., sar. J. H. W. Tris'anku. Harbehandra, King of India. Robits, Kohitsews, H. Harila. Champs, Chandre, W. Sudéva, car. T. W Vijaya (his brother; Kurm. Pur.) Bharma. Vrika. Bahuka, Bahu, W. Sagara, had 10,000 sons. Asumanjasa, only survivor. Annuman. Duliph, W. T. H., ser, J. Bhagirat'ba, brought down Ganges river. Scuts. Nabhaga. Ambariaha, T. W. Sindhudwipa. Ayutayush. Ritsperus. Nala, T. Sawakama, W. T. ser. J. H. Saudasa. Kalmishapada, W. H., ser. J. T. Ammka. Millers, Harikavacha, W. Das'arat'ha. Athabida, Ilivita, W.

OF MATTERIA (TIRRUT). Niml. Janaka, built Janakpur. the futher correctly Nandiverdhens. Suketu. Dewaruta. 3.2 Vrihadratha Mahahirya. Sudbrits. Dhristaketa. 50 Harywes. MACH Pretipaka. Kritiratha. Devemirhs. Vieruta. Mahadhriti Dhritinstu. Maharoma **SWINTIMPS** Harmwarum

Swadhaja, Pather of Sita, who married lians (see the parallel line of Ayedhya.)

Kendlistis. Diarmadhwaja. Kritudh wajn. Kenidh wala. Blanuman. Saladyuma Buchi. nadiwaja. Urdbaken. Ayu. Purnjit. Arieb tameni Strutayu. Supanswaka. Chitruratha. Kshomadhi Samuratha. Satyuratha. Upa-guru. Upajupta. Baswananta. Yugodhane. Sruta. Jays. Vijaya. Ritu. Sunsky. Bitabala Diviti. Bahnlarwa Kriti. Mahubasi.

ATTURBUTA BAZAS, rentimed.

Vis'wamahn. K'hatwanga, Kharbhanga, T. Dirghababa. Raghu. Aja,

DWAPAR YOUR OR BEARIN AUG.

Kusha, Lava, T. Atithi. Nishadha. Nabhus, or Kala, T. Pundarika. Kshomadianwas Dévanies, Dwartha, W. Ab'imagu, Abinaju, W., Illina, H. Kura, W., ser. J. H. Pariputca. Dula, W., Bula, H., Roza-chiala. Uktha, W., Mr. J. H. Vajrannhha. Area, car. W. T. II. Sugana, Sankhanabhi, W. Vadhriti, Vijuthitabbi, W. Viawasaba, 2nd W., Visitaswe, T. Hiranyanabba, Pushpa, Pushya, II. Dhruvusandhi, ner. T. Suders'ana, ser. W. Agniverna, Apaverna, W. Sighra. Manu, Maru, W. T. II. Prostoruta. Sanihi, Samadhi, W. Amere'ana, Amerika, W., Mahaswat, Aveswana, T. Vir wabhabu, Yiswasawa, T. Proofnost, ner, W. Takahaka, Vrihadbala.1 Vribadann'a, n. c. 1300 J.

Dar'arat'ba, 2nd W.

Riema, a.c. 2029, J.,

950, B., 1100, T.

His brothers,
Bharuta,
Lakshusana,
Satenghana.

ALSO DESCRIBED FROM SEADING-DEVA.)

Dichta, King of Vemla.
Is ablogue.
Bhalambana.
Vatusprité.
Prangrue.
Prangrue.
Prannati.
Klamites.
Charmeles.
Hibinguati.
Hambon.
Klamites.

Kluminetm, Disconlista.

Karatelhima, Adisita, Maruta. Dano,

Brackerson Charge corr. do

Rajyavarudhana, Rudhrith Nara, sar, do. Kebula

Dhondhumans, or Bandhuman

Boths, Tringrindles,

Benableuja, or Visala, who founded

Vaissil (Alinhabid).

Hemachandra.
Dhomrata.
Sangyam.
Schoders, ser. V. L.
Krisseva.
Semadatu.

francis (ende V. L.) Jamanojaya.

[N.B.—The names which are enclosed in parentheses in the subjoined tables are not to be found in the 'Vishou Purkua.' The orthography of the leading names has generally been adopted and corrected up from that authority.

As illustrative of the probable date and authenticity of this Purkna, I cite Prof. Wilson's careful research of the subject:

'The fourth book contains all that the Hindús have of their uncient history. It is a tolerably comprehensive list of dynastise and individuals; it is a lauren record of creats. It can scarcely be doubted, however, that much of it is a genuine chronicle

¹ ['Vishuu Puraya,' p. 463.]
² His daughter, Brabira, married Visvarawa Muni, the father (by another wife, Nikeksha) of Hkvaus, the damon king of Lanka, or Ceylon, afterwards killed by Rama.

of persons, if not of occurrences. That it is discredited by palpable abstratities, in regard to the longevity of the princes of the curlier dynasties, must be granted, and the particulars preserved of some of them are trivial and fabulous. Still there is an inartificial simplicity and consistency in the succession of persons, etc. It is not essential to its credibility or its usefulness that any eract chronological adjustment of the different reigns should be attempted Deducting, however, from the larger number of princes a considerable proportion, there is nothing to shock probability in supposing that the Hinds dynasties and their ramifications were spread through an interval of about twelve conturies enterior to the war of the Mababharsta, and, conjectucing that event to kave happened about fourteen centuries before Christianity, thus carrying the commencement of the regal dynastica of India to about 2000 years before that date, pp. 64, 66. After the date of the great war, the Vishne Purana, in common with those Puranes which contain similar lists, specifics kings and dynastics with greater precision, and offers political and chronological particulars, to which, on the score of probability, there is nothing to object, pl. 70 The 'Vishou Furina' has kept very clear of particulars from which an appreximation to its date may be conjectured. No place is described of which the sacredness has any known limit, nor may work cited of probable recent composition. The Vodos, the Purkpus, other works forming the body of Sanskrit literature, are named; and so is the Mahabharata, to which, therefore, it is subsequent. Both Bauddhas and Jains are adverted to. It was, therefore, written before the former had disappeared; but they existed in some parts of India as ists as the twelfth century at least, and it is probable that the Purton was compiled before that period."-p. 71.

[I curtail my quotations in this, as in previous instances, precisely where Prof. Wilson ceases to speak from the absolute knowledge contributed by the Sauskrit writings, of which he is facile princeps the exponent.]

RAM YUGA,-1300, OR POURTE AGE, 3101, B.C.

Urukshepa, Urukria, W. Vatsa, W., ser J. Vatsa, (vriddha) Vyuha, Prativyoma. (Bhiou, our. W Divakara. Rapanjays. Banjaya. Sahadeva. (Virs. ear. W. T.) Vrihadaywa. Bhanuratha-Bhanumet, Bahman, Longimanus of Persia ? T. Prasunajit. (Prat'icto'wa, sur. W.) Supratiths. Marudeva. Sunakshatra, Kinnaru—Pusheara Antariksha, Bekha, T. Suvarna, W. (Suta, Sutapea). Amitrajit. Vrihadrāja.

(Barbi), Dharman, W.

Rritarjaya, first emigrant from Koanla
(Oude) and founder of the Buryus in
Baurtabtra, T.
Rapanjaya.
Sanjaya.
Salrya, W. T. (Stocya).
Suddhodana, Khraddhodana, W., Sudipa,
T.
Ratela, W. (Langulada, Sangala, T.)
Prassenjit.
Kabudraka, Homika, T.
Kundaka, W., aer. J.
Sunstha, Surita, W., aer. J.
Sunstha, Surita, W., aer. J.
Sansitra, a. c. 2100, J., 67, T. The Inst
tama in the 'Bhigavat Purina,' acid
to be contemporary with Vikramaditya ! T. from this primes the Mewtr
chronicles consumence their arries of
Rajis of Baurtahtra (see Tab, ravi.).

¹ [Rähula, 'Vaya Purkea;' Siddharths or Pushkala, 'Meleya Purkea;' Langalo, 'Bhagavat Purkea,' 'This and the two preceding names are of considerable chronelogical interest; for Sakya is the name of the author or reviver of Buddhism, whose

Table XVIII. — Chandra-vassa, Indu-vassa, or Lunar Race, who reigned in Antarveda and Kári; afterwards in Magadhá (Behar), and Indrapraetha (Dihli).

RISOS OF RASI (DENAUM).

Kahetenvriddha, son of Ayu. Suhatra.
Kapi.
Kapi.
Rashtra.
Disghatama.
Dhanwantra.
Katomara.
Bhimaratha.
Divodása, becomes a Bushfhist.
Dyamana.
Pratardan.

Santhali, Sukotana.
Dharmakota.
Satyakota.
Dharmakota.
Satyakota.
Dhrashtabetu.
Sakanara.
Bitlonga.
Bharga.
Bharga.
Bhargabhami (end in ' Bhagacai P.')

Ritadways.

Alarka.

LINE OF TURE. Puru, king of Praticuthans. Janamejuya, king of Antarveda. Prachinwat. Pravira. Манануа-Bhayada. (Suchyumna.) Bahuguva.) Samyati Alamyati. Raudrusva. Raisrya, ror. W. Rastinara, Rantimara, W. Tansu, W. (Bumati). (Raibhi or Anila, our. W.) Dusbyanta or Dushmanta, husband of Sakuntala. BRABATA, king of Anterreda and Endia: Vitatha, or Bhuradwaja, adopted. Bhavanmanyu. Vrihstkahatra. Suhotra.

LINE OF TADU. Vadu, excluded from succession. Kroshla. Vrijinavan. Bearld. Blahaltyu. Chitraretha. Sarweindu. Prithusravas Tamus, or Dharma. Unampa. Sitzelez, Siteysa, W. cor. H. Itzeliaka, Rukshum, W. Kavalba, W. cor. J. Parkvesta, line extinct. Janodhya, Jyamagha, W.; from-Sararinda by another line, Viderbba. Krothe Kunti Drohti, Vrishni, W.

birth oppears to have occurred in the seventh century, and death in the sixth century, s.c. (s.c. 621-543). There can be no doubt of the individual here intended, although he is out of his place, for he was the son, not the father, of Suddhodana, and the father of Rähula, as he is termed in the Amara and Haims Koshat.'....

'Vishqu Purana,' p. 463.

Nicreal.

Dush kribs.

Vyoma, Vijaman, W.

LINE OF PURE (continued).

Hastin, built Hastinkpur.1 Ajamidha, reigned at do.

Riksha, do.1

Samvarana.

Kunu, from whom also despended the Magadha princes (see tab. IX. and 'V. P., p. 456). Parthshit, 'V. P.

Jahnu. Suratha.

Viddratha.

Sarvabhauma.

Jayasena, Aravin V. P.* (Radhira, Aravi, W.) Ayutayas, Ajita, H.

Akrodhana. Devatithi, nor. W.

Rikeha [another son of Akrodhana].

(Bhimasens, say, J.)

Dilips. Protipa.

Santanu. Vichitraviryys, married Amba and Am-hulith, daughters of the King of Kasi, who have issue, after his death, by his half-brother, Krishna-

dweiphyans or Vyksa, Dhritschahtra and Pandu, whose wives here the five Pendavas, via

Yndhisthirs (see table zir.)

Arjuna, father of Parikshita (see do.)

3 Bhime, no descendents.

Nokul, and) founded the Magadht-

& Sabadova, line (table EE.) LINE OF TADU (continued).

Jimetra.

Vikrati.

Bhimaretha. Navaratha

Describe.

Sakuni.

Kusambha.

Devaraba.

Devaksheers.

Madhu.

Answerstha. Kuru-vatsa.

Autoratha

Purnhotes.

Aya, Angasa, W. Satwata (several branches).

Andhaka, do.

Bhelumins. Viduretha.

Surs.

Sami, Samana, W.

Pratikeletra.

Swayambhuva.

Hridika (several brunches).

Sura (namerous projecy by Maront). Vasculeva, the eldest, who had thirteen

Krishpa and Halarama, with whom this line becomes extinct, by quarrel of the Ybdox.

STRUCTED OF THE SOLAR AND LUNAS RACES, T.

Buddha of the Lunar race married Da, the sister of Tadewaku, s. L. Harischandra, s. l. cotemporary of Parasuckasa, of lunar line. Segura, cot. of Teljanga, of de. Ambarisha, cot. of Gadhi, founder of Kananj.

TABLE XIX .- Pundu Dynasty of Indraprastha, or Dikli, continued from the line of Pura of the Chandra vansa, or Laner line, and collatoral with the Magadha Princes, descending from Jarasandha, of TABLE EX.

ACCOUNTING TO THE

ACCOUNTS TO THE "BRACATAT PUBLISA," M. BARRALL, T .- ['V. F.', 461.] Yudhisthirs, 1st King of Indraprastha

- no terms. a.o. 3101 J. Particklita, son of Arjun (son of Abhimanyu, 'V. P.) succeeds.
1300 W. Janamejaya, W.

1100 T. Satánika

Particibita. Janameja. Assumd

1 ['It was finally raised by the encroachments of the Ganges, but restigns of it were, at least satil lately, to be traced along the river, nearly in a line with Dihlt, about cirty miles to the cast.'—'V. P.', p. 452.]

2 [Another son, Kapwa.—'V. P.', 442.

" BALLYALL," (continued) "BRADAVAT," (Nontinued). (Sahamanika, aur. W.) Adhona Asymmelbadatta Mahajung. Jourita. Astmakrielena, Nictiakra, W. Nichakra-Nomi, king of Hastinkpur (mpital washed Debtwana. away)/ Chakra, huilt Kaushmbhi. Ushna, Ukata, king of Kaushmbhi, W. Ugarsena. Suration. Sutasshama Chitraratha. (Kahirutha, asr. W.) Vrishnimuta, Dhrihtimler, W. Rismaroja. Buchil Sootpala: Sushena. Narhardiya. Mahiputi, aur. W. Justinità. Somitha. Richa, W. Haupata. Bukhibula | Nrichakahn. Soovama. (Sukhavati), W. Moduri. Pariplaws. Bravhon. Kikan. Sunaya. Modhavin. Pmihkent. Nripanjaya. Mridiz, W. (Durles). Tigrus, W. (Timi). Desupema Adelika. Huntavarau. Dazdapida. Vribudnatha. Dunnida. Vasudina, W. (dudina). Sathatka.
Udayana, W. (Durdamana).
Ahimaya, W. (Bahimaya).
Khandaphai, Dandapani.
Nimi, Nimalitra, W.
Kahamaka, sar. W. Shupala. Khevauraj, do-posed, and Pandalimended, T.

The 'Rajavali continues the Indragranth's covereigns of the Lunar race, through three more Dynasties, Tod, viz. —

SECOND DYNASTY 14, PRINCES, SERIONED 500 YEARS.

Viserwa (contemporary with Shunaga ! T.)

Surien. Sireah. Ahangwal.

Vyerjiba. Durbara. Sodpala.

Surustoi-Singraja

Amargoda Amarpála, Sérbéhé, Padharat,

Madual, alain by his Rappet minister.

THEIR DESARTS.

Mahraje, Maharaje of Perishta ! T.

Sriséna. Mahipala. Mahavali. Sesprarti. Notrasitus. Somukdana Letmela.

Jetmela. Kalsuks. Kalsuks.

Birmandan. Jaywanga. Hergija. Hirusena.

Antinai, resigned to his minister.

[Major Cunningham has investigated this section of the Dihli line with a view to the illustration of certain local coins derived from the

t ['His son (Asima-krishna's) will be Nichakes, who will remove the capital to Kansamha, in consequence of Hastinapura being washed away by the Gauges.'— 'V. P.', p. 461.]

type of the Bactrian monarch Strato. As the nomenclature varies in the different authorities, and these lists may be held to be fairly within the limits of legitimate history, I append the modifications' advocated by that numismatist, as well as those cited by him from Ward's Hindús."]

госати ртнаятт.—Тор.	Vol. i., p. 24.	J.A.S.B.', vii., 1854.
Séndhwaja. Mahaganga. Nada. Jewana. Udiya. Jehala. Ananda. Rajpala. invaded Kennen, and killed by Sukwanti, who seized on Indra- prazha, whome he was expelled by Virramalitya, T.	Oburandhera, Semodheta, Mahiketaka, Mahayedha, Natha, Nirasa-rija, Udaya-Sena, Yindhachala Bijapila, Sakadityi retaken b	a.c. 230 Yonadhara. 210 Senadhwaja. 100 Mahiganga. 170 Mahagadh 150 Sarma. 130 Jiran-siraj. 110 Umed-sen. 90 Anandajala. 70 Bainpala. 60 Dibli taken by 6 Sakwanti n.c. 57, 7 Vikramaditya Sakhri.

TABLE XX .- Kings of Magadha, or Central India, had. Behar, of the Indu, or Chandra Vanis, Capital, Rajagriko.

DARHADRATES DESASTY. (Res Table sviil.)

Veihadratio, 4 V. P. Kuru. Sudhamush. Kuslgra. Vrishabba Subotra. Chyuvana. l'undiperet. Knitaka. Batyadhrita. (Urja), Sudhanwan, 'V. P.'. (Sambiava), Junto, 'V. P. (Visrota). Upwrichers-the Yasz.

SINE OF PARDY. (Brought on from page 237.)

Jarnesouths, not, of Yudhischies and Krishna, S.c. 3101 2 J.

n.c. 1400. W. Sahadiya, Parikshita	born, 3.c. 1400, W. Suvesta.
great war ends.	Dherma.
(Marjari), or Somapi, W.	(Nribbrata, Wn.)
Scutavat.	Saspras.
Ayuthyua.	Drirlesson, Vrihadsena, Wrs.
Nirsmitra.	Semati.
Sukshatra.	Suvula, Suddhamva, Wp.
Vribatkarman,	Sutvaiit.
(Brutanjava.)	Vierally
Vinra.)	915. Ripunjaya, 700 Wp., a Buddha
(Buchi)	born in his reign, 'As Res.'
(Kahema).	vol. ii., p. 138.7

' [Derived from a new list, 'obtained from a Farehet in the Punjab.']
' Our list,' says Prof. Wilson, 'and that of the 'Vaya,' specifies 21 kings after
Schadova; the 'Blagavata' specifies 20, and in another passage states that to be the

SUNAKA DYNASTY, RESOR OF BEARATERANDA, RESORD 125 YEARS. (V. P. 138 years, p. 466.)

B.C. 915, W. Pradyota, n.c. 700, Wn. 650? | n.c. 915, W. Viskkhaydpa. Bad. Chron. 2100, Jenus. Palaka.

Januka (Rajaou or Ajaou, Wt).) Nandiwarddhana (or Takshao, T.)

SAISUNABAS OR S'ESNAGS, RESERVED 360 TRADS. (V. P. 163 years, p. 467.)

s.c. 777, W. Sisanaga, 1962, T., 560, Wb., 473, B our, Will Kakayaran Kehemadherman. Kahatranjas (Kahotranja). Vidmistra (Vidhiskra). Ajātasatru 450, Wn. 451, ' Bad. Chron.' of Ava. Dorbinko, Dissers, Udaykawa, Udkii, Ajaya. Nandivarddhana. Mahanundi (Mahabali, Wn. 354.

s.c. 777, W. (Stmalyn or Vikhynat, T.) Nanda, Makipadeo, 1002, J.,
 340, W. 'He will bring the whole earth under one umbrefla; he will have eight sons, SumAlya and others, who will reign after Mahapadma; he and his sons will govern for 100 years. The Brahman Kautilya will root est the nine Nanden. 'V. P. p. 468.

MAURYA DYNAMY, GOVERNED 127 YRASE. (V. P. p. 470.)

s.c. 316, W. Chandre-gapta Sandracottse | n.c. \$15, W. Dasaretha, ser. T. Wu. of Greeks, 1502 J. Vindueira, Viriatra. Apoka Vardillessa, patron of the Buildhists, 230, Bed. Chron, 13 Surasus, Sujasus, T. Culatz, William

Sanguta, Bundupulita, Wn. valupuka, Indrapulita, Wn. (Devadharma, Wn.) Sommarman. Sasuiherman (Ketadhanwa). Vrihadratha.

SCHOA DYBANTY, 110 TRANS. (V. P. 112 years.)

master, the last of the to doub, 5 Manryas, 1365, J. Agnimitra, Sujyeshtha, Vasamitra-

a.c. 178. W. Pushpamitra, gota his p. Mc. 178. W. Ardraka, Abhadraca, Wp., master, the last of the Polindoka. Chusheven. Vojramitza, (Vicromiter, Wo.) Disgrents.

KINWA DYNASTY, 45 TRADS. ("V. P.")

n.c. 66, W. The Kaywa named Vaculeva p.c. 66, W. Nirkyana, Peruna, T. usurps his master's kingdom, 1253, J my T. Rhomimitra, cot of Vikeamaditys, T.

Soursien. (Willford improves interval of 160 years before Sipreka.)

number. My copy of the 'Mateya' names but 10, and the 'Radeliffe' but 12; but both agree in making the total \$2. They all concur with the text also, in stating that 1000 years had clapsed from the great war, at the death of the last Varhadratha prince; and this is more worthy of credit than the details, which are obviously imperfect. 'V. P.' p. 465.]

' [Of. also 'Burnout,' vol. ii. p. 778; 'Huen Tsang Mémoires,' p. 170; 'Bl. agavets Puraga,' xii., i p. 12.]

' [Buddha Gaya Inse., 'Jour. As. Soc. Beng.', vol. vi. p. 671, 'Jour. Roy. As.

Soc.', etc.]

TABLE XXI .- Andhra or, Friepala dynasty, of Andhra (Orises?) or Telingana, in continuation of the Magadha line.

(See Wilford's nemperative list from the 'Bhagavet, and three other Purknes, in the 9th vol. of 'As. Res.') [These thirty Andhra Bhritya kings will reign 456 years. - 'Vishnu Purkna.' Prof. Wilson adds in a note .- 'The 'Vayu' and 'Blagavota' state also 30 kings and 456 years; the 'Mateya' has 39 kings and 400 years. The actual enumeration of the text gives but 24 names; that of the 'Bhagavata' but 23; that of the 'Veys' but 17. The 'Mateya' has the whole 29 names, adding several to the list of our text ('V. P.'), and the aggregate of the reigns. amounts to 435 years and six months.')

n.c. 21 Sipraka, 'a powerful ervant of a.c. 21 Chakers Sitkarna Separata, bills the latter and Siraswiti founds the Andlers bhrityn dynasty; Bulie, Ralibita, a.c. 908, J. a.p. 190, Wp. Krishna Bri Bütakneni Parnotunga, Paurnamana | eur Salakarpa, II. Lambudara Ivilaka, Apilies, Wo. Magha Swati Patumat. Arishtakarman, our Bhag Purama. Talaka, Tibak, T. Pravilmena. Sundara, camed Shikarea.

Gomatiputra, (Gautami, Wo. Polimet, Porimet Shitkerni IV. our. Bhig. Purken). Sivaget. sivuskundha. 600 Yajnasri, (Yeag nai of Chinese ? Wo.) Vijaya. *24. Chandrasti, (ar Vijaya, last Ma-gadha king, 500, J. 540, T.) Palozakrebish, (Poulogues of Chinese? Wo dies, 548, a.D. Salazadha, T. cot. of Bappa Bawal of Mewas, a.p. 720 f)

TABLE XXII .- Rajus of Kashmir, of the Line of Kuru in the Lunar race: worshippers of Nagas or Snakes.

I have scarcely left myself space in this reprint to attempt to unravel the mystifications of the early Kashmir Chronology. The con-

Plion, 'Hist. Nat.', vol. vi. p. 22. 'As Res.', vol. ir. p. 101. 'Sipraka is variously named, Similaria, Vaya; Similar, Matsya; Balin, Bhhg; and seconding to Wilford, Chlismata in the Brahmanda P', and Sidraka, or Siruke, in the Kumirikk Khanda of the 'Skanda Pushea.'. If the latter from of his name becorrect, he may be the king who is spaken of in the prologue to the 'Mrichelakuti.' Prof. Wilson, in a valuable notice on the subject, further reviews the various items of evidence bearing on the date of the Andhras, and arrives at the conclusion that 'the race of Andhra kings should not commone till about 20 years n.c., which would agree with Pliny's notice of them; but it is possible that they existed earlier in the south of India, although they established their authority in Magadha only in the first centuries of the Christian era. — V. P., p. 475. Major Curmingham has discovered the name of Sri Shtainrai among the votice Buddhat inscriptions at Samul. He the name of Sci Salakarni among the votive Buddhat inscriptions at Sanchi. He transcribes the original Pali legend as follows, Raywys Seri Scitalascias deconsists Variabi-patana, Amendara disame, "Gift of Amanda, son of the neophyte Vaishtha, in the reign of Sai Saranasci."—Bhiles Topes, p. 264. The writing itself is referred to the time of the king of this name, third in the Magndha list, though any such special appropriation of the designation is open to question when we find Prof. Wilson remarking, "The adjuncts Swari and Scitissess appear to be conjoined or not with the other appellations, according to the convenience of the metre, and seem to be the family designations or titles."—'V. P., p. 474. See also Stevenson, under Saurushteft sepret, and Bombay Jour.", July, 1853.] icetural results arrived at severally by Prof. Wilson, Captain Troyer, and Major Cunningham,3 are subjoined in parallel columns for the scrutiny of future inquirers. Prof. Wilson, without according any great faith to the Sanskrit authority, from which his outline of the history of Kashmir was translated, contented himself with leaving it to earry its own weight. The succeeding commentators have exercised less reserve in the adaptation of the original materials, and hence their rectifications demand a more distinct review. I should naturally desire to abstain from the use of any harsh expression in referring to the exhaustive labors of M. Troyer; but, in truth, I can scarcely bring myself to notice his arguments with much seriousness; and this feeling will, perhaps, be better understood when I say that we are invited to believe that Asoka reigned in 1436 s.c. (vol. il., p. 435), and that the Seythian Kanishka ought to be dated in the 13th century, s.c. Equally must the author's ordeavor to account for the extraordinary lengths of reigns be received with distrust, which line of reasoning is approprintely climaxed by an attempt to show that it was possible that Ranaditya lived and even reigned 300 years (vol. ii. p. 379).

Major Cunningham's ratiocination towards the general settlement of the relative epochs is based primarily upon the assumed fact of Hiranya and Torumana having been contemporaries of the ard Vikramaditys of Ujain (s. 166 - a.o. 409), whom the author, in preparatory training for the more complete development of the same idea in his subsequent works, dentified with the Chandra Gupta of the Gupta coin series, and the 3rd Vikramaditys. I do not at all wish to contest that there may have been one of the many menurchs who assumed the supplementary titular designation of Vikramaditya ruling over Malwa at or about this period, and that the potentate in question may well have been a contemporary of Toraciána of Kushmir, whom, judeing from the style of writing on his coins, I should not desire to place so early as Wilson and Troyer have done; but this concession by no mouns implies an accord with the other portion of the argument, that would bring the Guptas down to so modern an epoch as is there proposed. In other sections, Major Cunningham's method of compression is about as summary and as little satisfactory as Troyer's system of expansion, inasmuch as the process of the reduction of the supposed superfluous periods of the Aditya and Generaliya dynastics is effected by the easy arithmetic of a diminution of the declared totals of ene-half and one-third respectively.

i ['Asiatic Researches,' tv., and 'Arisma Antiqua,' p. 847.]

' Rajutarangini,' Paria, 1840.]

' Numismatic Chronicle,' vol. vi., 1843.]

' Wilford, 'Asiatic Researches,' vol. iz., p. 186.]

' ['Bhilsa Topes,' p. 142.]

There is one point, however, somewhat assuring, that is—the general coincidence of the different commentators in regard to the proper period of the initial date of the Nága dynasty, and, for the present, we must accept this as the single bright spot in the otherwise hazy atmosphere with which Oriental authors so often envelope the simplest history.]

'The Raja Tarangini, whence this line is taken, commences with an account of the desicention of the valley by Kasyapa Muni: supposed to allude to the Deluge."—

Wilson, 'As. Res.', vol. xv. p. i.

PLUST PERSON—RAUBAVA BACK, 1265 YEARS.

n.c. 3714. Kashmir colonised by Kasyspa, n.c. 2656, W. Pifty-three Princes, I makes omitted by Hinda writers, but partly supplied by Mu-hammadan authority, as fol-Suliman. Cassalgham. Maherkan. Bandu-khan, (Panda of the Lunar line?) Ladi-khan. Lodder-khon. Sunder-khan, - Hinda worship Produitdates Cander-klidia Sunder-khôn. Tundu-khāu. Beddu-kban. Mahand-khan, Durbiesen-khan. Deouir-Khan. Tehab-khan, dethround by king of Kabul. Chlju-khan. Luvklish-khán. Shermabaram-Ablan. Naureng-khân,eusqueredChina. Durigh-khân. Gowashuh-khian. Pandn-khan II. extended empire to the sen. Harts khan. Sanzil-khan.

Akber-khim.

Jahre-klehn. Nauder-khim Sanker-khan, slain by Bakra Raja. An interval ensues, and antheatic history commences 2446. Generals, I. Kali Yuga, 653 Genauda er Agrisad, a re-letion of Jaramundha, 1400, W. s.c. 1044, P. Damedara, 1st Goinnia, II. Thirty-five Princes, names 1709 Lavs (Ind-lava), Lon of Muhammaden historians, n.c. 570, P. 1004. Кашимун 1000, Khagendra. 1600 Surendra, cut, with Bahmen of Perms. 1573. Godhura, Gowdher, A. A. 1637 Buveros, Servo, do. 1477: James, Jensk, do. 1471. Sactimera, Sujuner, do., 1394. Assica, established Buddhism. See pages 216, 246, n.c. 2007) 1332. Jaloka, adopted castes. 1302. Dimodora, M. a Saiva; transformed into a make. Tartar princes, re-1277, Hushka, Jushka. Kanishka, hism. 1217. Abhimanya, an orthodox Hinda, a.c. 423, W. s.c. 73, P.

I.M. Troyer has the following note upon the subject of these fifty-three princes:

—'C'est sans doute pur le vague des expressions de Kalhana, et par le récit des écrivains mahométans qui fant mention d'autres rois avant Gouards ler, que M. Wilson a été induit à placer avant se roi une première série de cinquante-treis princis, tandis que le tente, comme je crois l'avoir démontré, ne fixe la durée d'auteune autre série avant celle qui précède le règne de Gouarda in me. Il seruit en effet très-singulier de trouver deux séries comécunives, qui offriendant le même nombre de rois et la même dutée de règne. Je suis hien loin de nier qu'il n'ail pu y avoir plusieurs rois avant Gouards ler, et j'admets même qu'on a une presque certitude à cet égard; mais le Rădjatarangini n'en dit rien de postul'.—Vel. ii. p. 371.]

SECOND PERIOD-CONSIDEYS DYNASTY, 1913 TEARS, OR 376 TEARS AFTER ADDRESS. W.

2000	0.75	The state of	ADSUSTMENT, W.
B.C.	CHARINGHAM.	Willeger.	14
1182	65-32	1182	Generda, III. Naga wership reagned, 388 W. 108, P.
1147	61-9	1147	Vihhishane, 370
1003-6)	***	1698	Indravita, 852
1058	73-1	1066-6	Bayana, 334
1028	50-8	1830-6	Vibhishans, II. 810
992-6	89-2	983	Nava (Kinnara), personaled Buddhists, 298
952-9	99-2	965-3	Siddles, 280
892-9	114-2	B93-3	Utpalákslas Adothulalesh, A. A. 262
862-3	121-9	862-9	Hiranyaksha, Tesmya, . 244
824-8	133-3	825-2	Hirseyskula, Herenkul, a 226
764-8	146-2	765-9	Vissikula, Ebeshak, . 218
704-8	163-8	795-2	Mihirakula [Mukula, Troyer], invaded Lunka or Ceylon, 200
634-8	178-9	655-9	Vake, 182
571-8	187-8	472-2	Kabitinanda (Numlana), 164
641-8	196-2	642-2	Vannanda, Vlatnand, A. A. 166
489-6	208-2	490	Name II. or Bara-Nir, 128
429-6	223-2	450	Akulas, Ai, 100
360-6	238+2	370	Goparditya, a plans bruhminist, Kul-
309-6	255-2	210	Gokterna, Norrym, A. A. 64
251-7	209-11	253	Narondrichtya, Nurundrawat, A. A. 48
#235-6	279-0	314-9	Yudhishira, surnamed the blind, (see
167-8	287-6	168-9	ADUTA DYNASTY, 191 YEARS. Pratiphilitys, kineman of Victoribilitys, 10 W.
	77.00	THE RES	and the second s
135-3	300-6	136-9	Jalauras, Jugwed, A.A. 22
103-8	319-6	104-9	Tonjina, s great famine, Bunjir, s. 54
67-3	338-6	66-9	Vijaya, Beyerry, " 90
00-15	341-45	00-2	Jayondra, Chimito, 98
22.3	360	23-9	Kryn Bajn, of mireculous accession,
			(Sandhissati), 139 400, P.
			GOWERDIYA LINE RESTORED, 597 TEARS, OR. 423 ADJUSTED.
A.B.	4.2.	42	Walnuthan Workland L. J. South
24-9	383	28-3	Meghavahana, Megdelsen, A. A., invited. Banddhas, and inveded Ceylon.
58-0	400	67-9	Beneblastes, or Pravaranena.
88-9	418	87-3	Hiranya, contention with Toramions Yu- varida, contemporary with Vicramiditya.
118-11	430	117-5	Matrigupta, a Drahman from Ujisla, suc- seeds by shorton, 471 W.
123-6	432-6	122-2	Pravansation, invaded Silkditys of Oujarkt, (table xxvii.) 476
183-8	464	185-2	
204-11	483	224-5	Numbravat, Narondraditya, or Lakshman's 522
217-11	490	237-5	Hambditys, married daughter of Chola Bhjs., 545
517-11	555-8	537-5	Vieremisditys, supposed an interpolation (Units princes?) 568
559-11	576-6	579-5	Baladitys, last of the General race, 592

See also 'Ayin-Akhari,' vol. ii. p. 164.
 The fractional figures express the months of the year to which they are in each case appended.
 Note, p. 364.

NÃOA OR KARRUTA DENASTE, 260 YEARS, 5 MONTHS.

Troyer,	Countrigham.	Wilson.	
597-3	594-6	615-5	Durlabhaverddhana, contemporary with Yeadijird.
633-3	630-6	651-5	Pratapiditys, founded Pratapaper. Durlabhaca, cor. W.
683-3	680-6	1701-5	Chandrapira, or Chandranand, a virtuous prince.
691-11	689-3	710-1	Tarinira, a tyrani.
695-11	693-3	714-1	Lalitaditys, conquered Vasorarma of Kansuj, (Vaso- vigraha of inscriptions) and overran India.
732-7	729-9	756-8	Kuvalayaptro.
788-7	730-9	751-8	Vairiditya.
740-7	737-0	708-8	Prithivvanira.
744-8	741-11	762-10	Sangramapira.
751-8	748-11	760-10	
754-8	701-11	773-10	Jayipira, married daughter of Jayinta of Gaur, no- ocuraged learning, invaded Bhims Sens of Gujárat, 841 ?
785-8	782-11	803-10	Lahtapira.
797 8	794-11		Sungramapara II. or Prithivyapira.
804-8	801-11	822-10	Vribaspati, or Chipputajaya, son of a prostitute, whose five brothers governed in his name.
816-8	813-11	834-10	Ajithpirs, set up by the same usurpers.
852-5	#49-11	870-10	
855-8	852-11	673-10	Utpalepire, last of the Eurkota rues.
			STRALA DEPARTS, 54 VEAM A MONTHS.
957-8	N54-11	375-10	Aditys Verma, or Avanti Verma, a severe fusine.
886-8	M63-2	1-100	Sankara Verms, envelled Gujjura and Raja Bhoja () see Milwa), Kashmir cycle brought into use, 69.
904-B	901-10	923-9	Gopale Vernet, killed in youth
906-8	003-10	753.4	Sunkath, last of the Verma race.
900-9	903-10	924-9	Sugardish Rhui, recommended the election of
906-9	1105-10	926-9	Partha. The Tatris and Ehungus powerful.
W24-9	920-10	941.9	Nirjua Verma, also palled Pangu, the cripple.
925-9	921-10	942 8	Chakra Vernik, civil wars.
956-9	931-10	942-9	Sura Virinia.

Bensud, 'Mémoire sur l'Inde,' p. 189; 'Novema Mélangus Asistiques,'

vol. i. p. 105.

I [Prof. Wilson, in anticipation of the due course of publication, has addigingly favoured me with the subjoined note on an inscription which, under the double aspect of geographical proximity and identity of family assess, seems to establish some sort of camerator between its line of kings and the Verma dynasty of Kashmir []—' An inscription of some interest has basely been communicated to the Royal Asiatic Society by the Provident, having been sent to him by Mr. John Mair; undertanately it is not known where it was originally found, beyond the fact that it was propored in the porth-west of Himbartan; unsetter defect is want of date, but the character in which it is written random it probable that it is not later than the seventh or eighth century. The invocation shows it to belong to the orthodox system, as it is addressed to the Creator of the Triad, Brahma, Vishya, and Raden, for the sake of the creation, preservation, and destruction of the universe. The document records, in a plain and unimitated style, the following succession of princes, of the Yadu family: 1. Sona Varmá; 2. Arya Varma, his son; 2. His son, Stabra V.; 4. His son, Vradipta V.; 5. His son, Iswara V.; 6. His son, Vradipta V.; 1. His son, Siddha V.; 8. His son, Jala V.; 9. His son, Vajua V.; 10. His non, Achala V.; 11. His son, Divisions, Jala V.; 12. His younger brother, Bakkara V., who married Is Chandra-gapto, son of the king of Jalandhara: on her husband's death she founded an establishment for religious mendicants, which foundation it is the purpose of the inscription to record.

	Chearleghon.	Wines.	
937-9	933-10	953-9	Part'ha, a second time.
	933-4	954-3	Chakra Vermă, ditta
938-9			
939-3	933-10	964-9	Sanksra Voodhana.
938-7	935-1	956-3	Chakra Verma, a third time.
939-11	936-8	987-7	Unnatti Vernā.
941-11	938-10	959-9	Sura Vermă II.
			LAST OR NIXED DUNASTY, 64 TRADS 4 RORTES.
942-1	939-4	980-3	Yassekura Deva, elected sovereign.
	949-4	969-3	Sangrams Deva, dethroned and killed by
981-1	948-10	965-9	Pervaganta, slain at Surlwert Kehetra.
952-10		971-3	Keberngupta, destroyed many Vihams of Buddhists.
961-4	958-8	979-9	Althimstyn, intrigues and towalt
976-2	972-8	992-0	Nandigupta, put is douth by his grandmother Didda.
976-2	973-9	994-10	
97H-2	975-9	996-10	
982-0	989-6	1001-1	Didd's Blimi, assumed the throne herself, adopts
1006-9	1003-6	1024-7	Sangrama Deva II. (with whom Wilson's list sloves,)
10000	1028-4	1032	Hariraja sod Amesta Deva, i his sons (continued from the printed Tarangini.)
	1060-9	1054	Kalain
	1088-10	1062	Utkurda, and Harsha dova.
	1000-10	(1002	Udayuma Vikrama, son of the latter.
	1100-7	1073	Sankha Raja.
	1110-11	1002	Bulha, grandson of Udavama.
	1111-3	1073	Sualha, murper, do.
	1127-3	3069	Malline, his trother (end of Kulliana Pandic's list.)
	1127-9	1088	Jaya Sinh, son of Suealba, (Fons Raju's list.)
	1149-9	1110	Paramica.
	1109-3		Bandi deva.
	1100-3	1106	Bopys days.
	1175-7	1100	Jams deva, his brother, an imbecile.
	1199-8	1153	Jaga deva, and of Depra.
	1205-2	1167	Hajo deva.
	and the same of th		
	1231-6	1206	Neugrima deva, III. a relation Hisma deva.
	1208-7		
		1227	Lokhune deva, adopted.
	1281-10	3261	Sonha deva, new line; killed by his brother-in-law
	1296-4	1271	Sinha deva II. an murper, who was himself depoud and killed by the Mhubas under Raju Dulluch (?)

The name or title Varmmh, or Varms, is especially appropriate to a man of the Kehatriya, the utilitary and regal casts; it affords, therefore, no safe close to the identification of this dynasty; but the mention of Jakanthare intinates their position among the neuratains not for from Kashaer, where we find a race of princes hearing the same title; the first of these, Avanti Varush, began his seign after the middle of the ninth century, and he may have been a select of the family recorded in this inscription, which, as above stated, is in a character that may be possibly of the seventh or eighth exctury, just prior to the date of the Vacual dynasty of Kashmir. Thirteen generations, of what appears to have been a penerable surcinion, will carry us back at least two conturies, so that we may safely place the first prince of this series in the sixth overtury of the Christian ora!"]

The lengths of reigns only are given in the original ; calculating therefore backwards from 'Alisad-din, it becomes necessary to curtail the reign of Hariylia (52 years) by about 30 years, to form a natural link with Wilson's date of Sangrama Deva.—J. P. [Major Canalogham ('Num. Chron.', vol. vi.) has pointed out the error committed by Princep in this place in confeceding 'Ali-ad-din of Dibli with the Kashmir monarch of the same timber designation, whose date abould therefore

be corrected to a. b. 1361, or, as adjusted by Major Cumpingham, to 1339.]

THE REUTA DYNASTY.

A.D.	Chinningham.	4.0.	
Kota Ra	1318-10 ph 1334-0	1294	Sri Rinchama, obtained throne by conquest. Kota Rimi, his wife.

paper-1							20
Shah Mir	1334	6	10	Fatch Shah	1483	Z	28
Jamahir	1357	5	0	Muhammad (2nd time)	1492	3	28
Alfa-ud-dfa	1339	4	. 0	Patch Shah (ditto)	1513	Đ.	- 7
Shahāh-ud-din	1353	0	28	Mahammad (fird time)	1014		- 2
Kath-ud-din	1379	0	23	Futch Shah (ditto)	1517	6	- 2
Sikmdar	1386	-0.	23	Muhammad (4th time)	1420	8	7
All Shab between thereses	1410	0	23	Nauk Shah	1827	- 6	7
Zain ul Abidin	1417	0	22	Mulaportand (5th time)	1220	6	7
Haidar Shah	1467		23	Marak Shah	1981	Δ	7
Hasen			23	Mirra Haider	1.641	ě.	7
Mahammad	1461		28	Humbrin			
Kashmir finally annexed	to the M	ngh	al E	impire under Akhar, in 1880	A.D.		

Table XXIII .- Chehda or Chahuman Dynasty, at Ajmir, Dihli, and afterwards Kotah and Bunds.

The Chahana, one of the free Againsis tribes, Chahana Purikhra, Solinki and Promice, said to have been produced by a convention of the gods on Mount Abit supposed of Parthian denomit'-Tod, vol. ii. p. 451.

B.C. 700 Anala, or Annul Chemban, established at Gerra Mandela. Suvieta. Mallan, source of Mallani tribe ! Galan Sag.

Ajipala, Chekraractti, founder of Ajmir, 202 of Virol era! A.D. 145

500 Shownta Dies. Maha Déve, Ajaya Sink, / Ajipala, Wilford. Viru Sink, Vindson, Vari Vihanta,

Dola Rai, lost Ajmir to Muleseundanz.

Manikya Rai, founded Sambhar: homes title of Simbri Ras, clain by Monlem invaders under Abul Aks; sleven names only in Judga's entalogue, Tod, vol. ij. p. 444.

Mah/issisha. Chandro Gupta, (of Allahabad poller inscription? See Kassas))

Pratap Sinh. Mohan Sinh. Setaral Nagalizata. Lukadhar.

Vies Sinh, 11. Vibudh Bink, Chapdra Ray.

) 'The names of the Muhammadan chiefs, who held possession of the valley, some-times independently, under the Putan and Meghal Emperors, are so disfigured in Nagari characters as to be hardly recognizable. Jona likip's list continues to Zein-ul-ab-ud-dia, 815 Hijra, whence Sci Vars Pandir continues it to Fatch Shah, a.v. 1477. The 'Rajavali Pataka' brings on the line to Akhar's conquest in 1550,' (see Muhammadan dynastics.)—J. P.

2 'Bombay Government Selections,' vol. in. p. 193. 770 Haribara Ray (Hurstij, Tod), defeated Subaktegin.

Basanta Rai.

Ballangs Eni (Belundeo? Tod), or Dherura Gnj, dain defending Ajmir against Sultan Mahmid.

Prumatha Rai.

Ange Raja, (Amilla Deva, Dibli inscription). in the broke of Chand, S. 931.

Seranga Deva, a minor.

Ann Dava, constructed the Anah Sogur, at Ajmir. Hisphi (of Ferializah), father of

977 Jayah Sinh (or Jypal of Perishtah, barned himself, 1000, see Malwa), extended his dominion to Lahore, etc.
990 Ananda Deva (or Ajuy dev), Amendphl, P.

UCGI

iomorways, married daughter of Anaugust of Dibli-Prithicky, of Labor, obtained Dibli, slain by Shahkbuddin, 1192. 1170

1192 Enimal, slain in the suck of Dibli, T. Vijaya Bay, adopted sucremer of Frithiray (see Dilit piller). Lakunsi, thence twenty-six generations to Nomed Sinh, present chief of Nimekos, nearest lineal descendant of Ajiphi and Prithiraj.

Table XXIV .- Harwati or Harasti branch of the Chehan Dynasty.

The Haras are descended from Anariga, a son of Vanladeva, or more probably of Manikya Rai, Tod, vol. ii. p. 464 (see preceding table).

Anurajo, took passenter of Asi, or Hand, in Hariton. A.D.

Ishtpula, obtained Astronia, miraculmuly. 1024 Chand Karns.

Lok Pall

1192 Hamira (known in Prithirtje wurs), killed in 1192. Kalkaran. Malek Magel. Ran Bache.

Han Chand, show with all but one my by A'la-ad-dis-1208

1300

Rainel, protected at Chiter, obtained Meystere, Kolon, declared lood of the Pathur, (central India.) Has Bange, took possession of the Hun court of Mynal. 1341 Ran Devn, surrounted to Lodi's court, abdicated to his son. Have Bala, founded Bundi; country called Rarurati after him. Sumarai (Sumara Subh), compared the Bulls. Napaji, found with Schankhi chief of Thoda. Hama-ji, defied supremary of Rina of Mewar. Birsingh.

Hirt. 1410

Ray Bunds, a famine, 1457, expelled by his brothers 1485 Samarkandi and Amarkandi, who roled twelve years, Narain Dist, resevers Bundt.

1838 Suraj Mal, sessesinated by Chiter Rhou.

Scortan, a tyrant, banished 1534

Rue Arjun, his cousin, killed in defence of Chitor. Rao Haja Surjan, Chauser, and Benares given to him.

Rac Illioja, reparation of Bundi and Kots.

BURDÍ SBANCE.

1578 Bac Ratin, built Ratunpur, his son Madha Sinh receives Kota from Jehängir, henreforward separation.

¹ The lath of Pires, bearing Visale Dévu's name, is dated S. 1220, in the reign of Vigraha Rai Deva. See each, vol. i. p. 325; also "An Bra", vol. viz. ² See also liste in "Ayra-i-Akhari," vol. ii. p. 94-97, etc.

A.D. 1578 Gopinath.

1652 Chatra Sid, took Kalberga, under Aurangrib, killed with twelve princes in battle of Ujjain.

1668 Bhao Sinh, received government of Aurangabad under Aurangath.

1681 Assend Sinh

1718 Buth Sink, supported Bahadur Shah, dispussessed by Jypur Raja.

1742 Omeda, regains Bundt, 1749, with Holkar's aid, retires 1771, dies 1804.

1770 Ajit Sinh, Jugraj, murders Rana of Mowar.

Rao Raj, Bishen Sinh, miner, protects Colonel Moneon's flight.

1821 Ram Sinh.

KUTAM BRANCH.

1579 Madhu Sinh, son of Bao Batan (see above).

1830 Mokund Sinh.

1667 Jagut Sinh. 1669 Keswar Sinh.

1485 Ram Sink,

3707 Bhim Sinh, entitled Mahhran.

1719 Arjun.

- 1723 Durjan Sái, without lous, Zálim Sinh, Isra 1740. Ajit, grandson of Bishen Sinh.
- Chair Shi, spounded by his brother. 1765 Gemin Sink, — Zalim Sink, Penjdar.
- 1770 Omeda Sinh, ... Regent.
- 1819 Knewar Sinh, Madbu Stab, ditte.

TABLE XXV .- Rajar of Malson, Capitale Ujjayana, and Mandor.

'This line is taken from Abd'l Facl,' and is supposed to have been furnished from Jain authorities: it agrees nearly with appendix to 'Agre Purken.' - Wilford."

In early ages Mahahmah Sounded a tire temple, destroyed by the Buddhists, but restored by

tambiant sh

s.c. 840 Dhanji (Discunjaya, a name of Arjun) about 785 before Vikramiditya (see Anjana, Ihrmiese list).

760 Jitshandra.

' (Avin-1-Ahhari,' vol. ii. p. 40, et seq.

' (As Withord's lists, purporting to be taken from the 'Agni Purion,' were largely quoted in the original edition of this work (a.p. 1835), it is necessary that I should amout the caution in the reception of that anthor's data since expicised by Prof. Wilson: —] 'Col. Wilford (Easey on Vikraesishiya and Shlivshama, 'Asistic Researches,' vol. ix, p. 131) has made great use of a list of kings derived from an appendix to the 'Agol l'urana, which professes to be the 63rd or last section. As he observes, it is seldom found amend to the 'Purhou.' I have mover met with it, and doubt it over having formed any part of the original compilation. It would appear from Col. Wilford's remarks, that this list notices Muhammad as the institutor of an era; but his account of this is not very distinct. He mentions explicitly, however, that the list speaks of Shlivshama and Vikramakitya; and this is quote sufficient to establish its cheracter. The compilers of the 'Purhoa' were not such banglers as to bring within their chronology so well-known a personage as Vikramakitya. There are in all parts of India various compilations searched to the Purhoas, which never formed any portion of their contents, and which, although offering semetiance medial local information, and valuable as preserving popular traditions, are not in justice to be confounded with the Purhoas, so us to cause them to be charged with even more serious errors and anothronisms than those of which they are guilty.'—'Vubnu Purhoa,' pp. 38-9. London, 1840 —Again, p. 73, prefixe, 'The decuments to which Wilford trusted proved to be in great part fabrications, and where generals, were mixed up with so much loose and unauthenticated matter, and so overwhelmed with extravagance of speculation, that his citations need to be carefully and skilfully sifted, before they can be serviceably employed.'

670 Salivahana.

Nirvahama. 689 580

Putra Bajas, or Vänsävalis, without issue. Aditya Punwar, elected by soldies (not. Sapor, a.n. 191, W.) Birms or Brahma Rāja, reigned in Vidharbanagar. 406

390 Atibrahma, at Ujjain, defeated in the north.

Sadhrushana Sadhavu Sema" 271

LOL

Heymert, Harcha Mugha, killed in battle (misplaced, Wn.) Gundrup, Gurdabharupa, Bakren-gur? of Wilfard. Vikkaskinerra (Red of Wilford. a.u. 441 Yooksjird?) Tukr tr. 91 56

Chandrasson, possessed himself of all Hindustan. 44 A.D.

135 Karaksen, Surya Sesa, W. 676.

215 Chuturkot (Sactionulus supecodot, W.)

216Kanaksen (see Saumahtra, which he conquered? 144, Tod).

300 Chambropal Mahandraput 402 409 Karmehandra

410 Vilyaminda, edopted a recomme (the sen being an infinit) Sindula, W.

479

483

453

Munja, killed in the Dekhan (reigned a.n. 293 ascerding to Tod). Ruccia³ (S. 510), by Tod. 167 a.s.* Kalidás flourished. Jayachandra, put made in favour of Jupăl, of the Tenese (Tuir) coste (Chaitra Chandra, 'Bavishya P.') 593

499 Rhos Rhin. 603 Rana Baju. 604 Rhan Jalu:

620 Râna Chandra. Rans Buhadur 654

650 Rana Bakhtmal. 884

Kay Subsuphi. Bay Keyretphi. Kay Ananguphi (rebuilt and peopled Dibb, 791, Ted). Kunwerphi. 669 674

734

735 Rich Jugdien, of the Cholche Iribe.

745 Jagannath. 755 Hara dova-770 VANE GOVE. 786 fluradeva.

1 [Orientalists do not rely much upon Wilford's sponslations in these days; but as evidence imperfect in itself has often some foundation in tenth, it may not be inappropriate to transcribe the following, which seems addly to assimilate with some of the indications noted at p. 27a-d, vol. 1, in regard to the Gupta succession:—'As there are several kings and legislators called Vikrama; in the same manner we find also several Salivikanus. This grandess of Dhonarpsys is made contemporary with mother Vikramatitys, who is supposed to have begun his reign a.n. 191; but, according to others, either in the year 184 or 200. In Enghanish's lists, current in the western parts of India, which have appeared in print, instead of Shirkhana, we find Samudrapala. — As. Sea. iz. 135. See also up. 140-7, ibid.; and the rarious tale in connection with Sakhahiya or Bhartribari, brother of Vikramaditya, and his retrement to Bhitari, on the Geneti, near which place, Wilford remarks, is a stone pillar, with an inscription, enstaining only a few couplets from the Mahabhhrats : (see onts, p. 240, vol. L., Bhitari Lit Inscription).]

2 Vandera of Wilford, Bardao, Ferishtah. A.D. 350, father-in-law of Bahram

(see Kanau) ³ [See Pehowa or Thuneswar Inteription, 'Jour. As. Soc. Beng.' vol. xxii. p. 673, dated 270 Sanivat. but of doubtful attribution. Numes recorded: 1, Mahendraphia; 2, Jutula; 3, Vijekta; 4, Yajunka; 5, Saggs; 6, Porms; 7, Devaraja; 8, Ramchandra; 9, Bhojs.

The other two Rijas Bhoja, Tod fines in 866 (from Jain MSS.) and 1035, the

father of Udavati.

801 Dharmadaya. 815 Bhaldeva. Nunskileva. 825 834 Kayrandeva. Pishoura. 845 Maldevn, comparred by Sheikh Shah, father of 'Ala-ud-dis. 866 Sheikh Shah, from Charal. Krishna Rhin. Dharma Raja Soud, Visir during minerity of 1037 Vaira Sinha. Ala-mi-din, who put him to death. 1067 Siyaka. Kemal-ud-din, murdered by Amoghavara, or Vak-pati, otherwise Val-Tityal Chohan (Jays Sinh of Dihli and La-TOOD hore: 977) a descendant of Manikya Rai? labhanareudra. 1089 Haruchanden. 1100 Keyratchnud. 1111 Cogernein. 1124 Sursinauda. Toporacia, or Beerson, dispassessed by 1136

Joial-ud-din, an Africa. Alam Shah, killed in bettle by 1168 Korakion, son of Bornen, emigrated to Kimrup, married the king's daughter, succeeded to the kingdom, and regained Malwa. 1192

The Astronet Insertp tion Excelation to federating names, Chain Insertation. Udayaditys deva. Rhoja duva. Hari varmon. Uday adityu. Naravarum deva. Aditys-varman; Nacayarma-Yapeverson deva, form of Ari-Yasovurma, A.B. A.D. \$187 ktiri. 1137. Jayavarma eldost. 1200 Narhahen? AJAYSTREEN, A.D. daughter of the 1143. Lakken, or Lakeb-1143. Gupta roce.) Vindhayavarrag. privarms deve, a second son of Chilu-varous. Kharva-varman, Amushykytesa. Hubbolavarma. Yapo, A.D. 1144/ Arjuss, A.D. 1210.

1146

¹ Undated. See 'Jour. As. See. Beng.' vol. v. p. 482.
² Piplianagar, in Rhopál (Shejálper) copper plates, dated Samvat 1267, 'Jour. As. Sec. Beng.,' vol. v., p. 380 :—' An inscription on a Támbe Tetra found in the village of Piplianagar, in the Shejálper Perganak, by L. Wilkinson, Faq., Telitical Agent, who says, in a latter to the Editor, 'I own you many apologics for the delay which has transpired in forwarding to you copies and translations of the three remaining Tambe patras found at Piplianagar in 1836. I have now the pleasure to forward a copy and translation of the oblest dated in Samvat 1255. It seems to three some doubt on the course of excession that appeared to you to have been rendered plain and clear, for eight generations, by the inscription dated Samvat 1267 before submitted to you. That inscription states that Jayvanaga was secureded on the result of Mandaga for the security of the course of the result of Mandaga for the security of the result of Mandaga for the security of the course of the result of Mandaga for the result of the result of Mandaga for the result of th That inscription states that Jayavarma was exceeded on the golds of Mandap (or Manda) by his son Vindhyavarma, and he by his son Amusbybyana, and he again by Subhamorums, and this last Raja by his son Arjuna; whilet this states that Haris-chandra succeeded Raja Jayavarma, and adds, moreover, in the last ways, that he was the son of Lakshmivarma. This discrepancy may be reconciled by supposing that Raja Harlschandra was only a prince of the royal family, and as such became possessed of an appanage and not of the whole kingdom; and the fact that Nilagiri, and not Mandap, was his espital, seems to confirm this supposition, supported as it also is by the title of Maha Kumara, or prince, given to him. I was about to add translatious also of the other two inscriptions; but finding that they both correspond, word for word, with that formsoly sunt to you in all respects but the dates, which my inter--the one only by three and the other only by five years—than that of the former inscription, and that they both record grants by the same Raja Arjana, translations of them would be but an idle repetition. I cardese, however, copies of both, which

A.D. 1220 Birml.

Purenmall 1236

Harnand. 1268

Sakat Sinh, killed by Bahldur Shah, King of Dakhun. (On the division of the Dihli monsethy on Chilleuddin Tughlak Shah II's 1330

1300 Diláwar Khan Ghori, viceroy of Malwa, assumed sovereignty. (See Mussalman Dynasties.) - Avin-l-Akhari, vol. ii. p. 47.

The inscription on a temple at Oudayapor, taken by Captain Burt. in 1838, claims notice in this place, on account of its supplying us with evidence of the existence, and continued currency for more than four centuries, of an era designated by the name of Udayaditys. The nominal roll of the princes associated with this monumental record does not satisfactorily fall in with the traditionary list of the Maharajas of Malwa; but this need not affect the authenticity of the one or the other, as the provincial dignities, of which the inscription is an exponent, were usually treated as seigness, whatever title to real power. or supremany the local ruler might chance to pessens.

Suravira (of the Pavara line):

Guardala

Arevalomethana (went to Malara and recovered his former kingdom of Madhya dose, and 'crossed this excred and divice temple to be created' . . . in the year of the Vibrounkditys Sowres 1116, corresponding with the Sake-year 981, in the Kahyuru +169, and in the asson of I'dayiditys 446.')

4 Shirahama, Juan, As. Soc., Beng., vol. iz. p. 548.]

Table XXVI .- Saurdehler (Surat and Gujardt). Capital, Balabhipuru. The Balabhi, Balhara, or Bala-rais Dynasty.

The Juin chronicles of Jai-cinks, consulted by Cohnel Ted, trace the encestry of Keneksen, the founder of the Mewar family, up to Sumites, the fifty-sixth descendant from Rama (ride the Surya-vanus int). Solar worship prevailed, afterwards the Jain .- Tod, vol. i. pp. 231, etc.]

s.p. 0 > Maharita, follows Sumitra, Ted. Antorita.

144 Kanaksena, emigrates to Sanrishira Maharida, Dronasinha. (vol. i. p. 216). Maha Madan Sen,

Kames separating to grants fine up to

Sepapati, Bhatarka, 4.0. 144-190.

Dhonyasenn L. Dharapatta

you may place on record, H you can afford to space a space for them in your journal.

—Schore, 27th August, 1833. See also 'Jour. As. See Beng.,' vol. vii., p. 736.—
[Another Nagpūr inscription, translated and collated with kindred documents by Bell Gaogradhar Shashtri supplies the following list.—i. Vairi Sinha; 2. Rhimaka (his sea); 3. Rhia Rhia, or Bhoja Rhia (his sea); 4. Bhadra Rhia; 5. Bhoja deva; 6. Udayaditya; 7. Lakahmi dhara; 8. Nara Varma deva (a.p. 1106); 9. Yaya Varma deva (a.p. 1137); 10. Jaya Varma deva; 11. Lakahmi Varma deva; 12. Vindhya Varma (son of Ajaya Varma); 13. Harashandra (a.p. 1179); 14. Amushayana; 16. Sabhisa Varma; 16. Arjuna (his sea, a.p. 1211).] 'Jour. Bomb. B. Roy. As. See', vol. i. p. 263.

Sec.', vol. i. p. 265.

' [See outs, vol. i. p. 256. See also 'Jour. Bouch. B. Boy. As, Soc.' vol. iii. p. 215.

-The Bey. P. Anderson has examined the nominal series obtained from previously published grand of this family, and tested them by the aid of new inscriptions. His

Culting to grants due up in A COL Sudenta. Gribaseus. Vijya, or Ajyarena, founded Sri dham Seus, 319. Bulahhi era, Tud. Siladitya L. Padmiditya, Charagrilla, L. Sivaditya (466 Gardha-bhela? of Sridharaeetta, II. Jain MSS.) Dhravaséna, II. Harkditya, Bridhamiéna, III. Suryhelifya, Siladitya, II. Somaditys. (three names obliterated) Charagrika, II. 523 Sibilitya, U.I. 623 Siladitys, killed, and Balabic do-stroyed by the Parthisms, \$24. 550 Siladitya Musalli, IV. GRIGHN OF GRIEDOTH, GRANALOTE, OR SENDULA TRUSH OF NURYA-VARRIES." Kaiswa, Goha, av Grabiditya, posthumous son of Siladitya, born in Bhander forest. Nagaditya, of Bhander Bharaditya. Devaditya. Assalltys, founded Aspur in Mewhr. Grahaditya (others make Nagaditya), father of Buph, or Bapps, seized Chiber, from Mort tribe, a.p. 727, and founded the Gobila or Gobletz, Synasty of Mawie. (Continued in Table XXVIII.)

I extract the following summary of dates, forming the resumd of Dr. Stevenson's remarks upon his translations of the Western Cavo. Inscriptions, published in the 'Jour. Bem. Br. Roy. As. Soc.,' vol. v., without in any way pladging myself for its accuracy; indeed, it will have been seen that Dr. Stevenson and myself differ notably in our ideas of the correct spechs of two of the leading dynasties of India: but for this very reason I am the more saxious to allow him to speak for himself in as much of detail as my space will permit me to concede to reasoning that I so far deny myself the opportunity of contesting .-E.T.

"I shall now conclude this paper with a short summary of the chief events mentioned in the Sakyudri inecriptions, in throughogical order. . . The dates which have

observations, to the following effect, are morely important in the correction of the orthography of names and titles:— In the Bengal Society's list, the 7th, 10th, and 13th of these kings are called Sri Dhara sena, but in both the plates now before me 12th of these kings are called Sci Dhara sena, but in both the plates now before me the names are precisely the same as the second, i.e., Dhara sena, with the addition of Sri, which is common to all the kings. Moreover Siliditya is said in the 'Bengal Journal' to be surnamed Kramaditya. The surname is clearly written un plate ii. Dharmaditya. Three of the other kings are not Dharava, but Dhavava sena,'—' Bomb Jour.' vol. iii. p. 216.]

1 This and the Bri-dharasson of the adjoining list, fixed upon as the founders of the Balabbi orn or samvest, may probably be the Suraka of the Purhaus, mentioned as a Vikramaditya to mount the throne An. Kal. Yng. 3250, or a.n. 191 or 291 ('An. Res.' vol. ix. pp. 135, 203), Wilfierd. Many legends related by him of the Aditya, belonging to this dynasty.

1 The Persian historians make Noshinki, see of Noshirvan, or Maha Baru, daughter of Yandijird, the origin of the Secodia race of Mewir, 52

daughter of Yazdijird, the origin of the Sesodia race of Mewar, 53

- not been ascertained from inscriptions, but merely made out by calculation, are marked with an interrogation.
- 200.(2)—A cure was excavated, and an almo-bone established in it, on the top of the Nana Guat, by an Emperor of India, probably Asoka, the lirst Buildhist Emperor.
- 70.(?)—The Great Cave Temple at Karlen was formed by the Emperor Devabliati, ander the superintendence of Xenerates, (unusual or uliqual) a Greek.
- 65.(2)—A small cave was excavoled at Känheri by the same Xenocrates, in which a suppened tooth of Boddha was deposited, till it was removed to an adjoining tope, as mentioned below.
- 28.(?)—The expedition of the constructors of the cave mentioned below into Mulabar, to quell an insurrection there, took place.
- 22.(!)—The central or Satrap cave at Nasik was excavated by Ushavadatta, con-inlaw of the Satrap Nakaphasa, of the Partition moments Established (Physhates ?).
- 20.(?)—Lands were given to the manks at Junic, who dwelt in the third series of mothern error, by several individuals, and especially by Sisuka, called there Sciouka, the first Andhrabhritya sovereign, while he was yet only prime minister.
- 15 (?)—The Great Temple Cave at Kankeri was probably exceeded by the same monarch, after he assembled the throne. The mane given him above is that of the Mataya Parine; here he receives the name of Balin, that given in the Bhigavat.
- 180.—A topo or mound was constructed at Khaheri to contain the tooth of Buddha, mentioned above, and also in honour of a colebrated Buddhist devotee, by Pushyavarman, who was connected with the Andlira royal family.
 - N.B.—This is the tope opened by Br. Bird in 1899, and which contained a plate with the date on it.
- 32d.—The village of Karneja, on the Ghide, was made over to the monks at Khrlen by the two great mulitary commanders, who, in the struggles between the regal Satraps and Mogodis Emperors, had need likely wrested the adjacent territory from the former and afterwords resigned it to the latter. About the same time, also, the image of Suddha, on the left of the entrance, where these inscriptions are found, was probably excepted.
- 237.—The large cave most to the left of these that contain increptions at Nadk was excepted at the command of the quote of Gentami-potes, described as lord parameters of Luliu and Copies, and who had established in his capital a college for Brahmknical and see there for Buddhist exists, an institution for teaching archery, and a hospital.
 - N.R.—Reasons have been addressed to show that the are mentioned in this inscription is the Balabbi, and that it was established in commoncration of the overthrow of the General arthino conjuic in Western India, by the united forces of the Magnetin Imperor and the Balabbi Commander-on-Chief, who rehelled against his sourcega, the reigning royal Setrop, and readered himself ludependent. These Sarrape had, in all probability, reigned for a long time in their own right, and had preferred the trib regal to their former appellation to point this con. The latest date on any of their tokes is Samvat 390, or a.n. 333; for I think, from the form of the lattern, that the era must be the common Samvat. We have, then, only to suppose that on the Indias their government subsisted fourteen years after it was overthrown in Gujarât, as the Balabbi ora commonous with a.n. 119. In accordance with this upposition, some of the 400 regal Sateap come that were found at Junir in 1846 belong to the two last Sateaps. The ventating, too, of Braden Dâms, the last of them but one, on the Girnar inscription,

- arer the Sitkarni ruler of the Bakkarn, our Andhra monarch, could refer only to some partial success preceding the final catastrophe, as we tennily final people boast most when hardest pressed. From our inscriptions it is ovident that the bills in which the caves are securated were sometimes in procession of the one and sometimes of the other party.
 - 342.—The monastery cave at Elrien was excavated by a mendicant devotor.
 - 410.(2)—Buddaghosha, the author of the Phli work collect in Ceyton the 'Atthakatha,' and the Buddhist specific of the Busman penincula, set up a middle-sized image of Buddha on the right perch of the Great Temple Cave at Känhtei.
 - 428.(i)—During the reign of the Andhra monarch Yadnya Siri Sat Karni, who is mentioned in the annule of Chica as having sent unbostedore there, a nephew and other relations of his set up the two colorest images on each side of the perch of the sense great case, and at the same time a village was given to the manks.
 - 430.(7) —Other relations of the same Emperor established an almo-house in connection with a cave at Känheri.
 - (?)—Others of the royal family established a reflectory in connection with another case there.
 - 423.(?)—A monustery care was occurrened at Nielk by command of the wife of the commander in-chief of the same Emperor.
 - 480.(!)—A temple cave at Kader (Korsh), in the Comess, was excavated by the Secretary of the Chief of Salastra, who access to have exercised authority over a considerable affection district of country
 - N.B.—The above-mention of works are all that appear to me to derive from the inscriptions probable indications of the partod about which they were executed, whether by testers were engraved can only be proceed at from the style of the letters; but now seem in me to have been inscribed on the Sallyhdri rocks at a later period than that has mentioned, and certainly none earlier than the first date here given, true ing them all within the two contarios proceeding and the first date here given, true ing them all within the two contarios proceeding and the five succeeding the theristian era, during which time Buddhism floorished in Western India, while the mothern Hindle system was situally uncedding inself into its present form and proparing to take the place, at a somewhat later period, of the religion of Buddhia, and to exhibit that compound of Vedic positions. Buddhistical tenderous for asked into that competend of Buddhist assemblancy, Buddhistical tenderous for asked their literature, had their hely places, and performed those of their ritue that could be performed in private. The common people also wershipped Krishna, libraria, and Siva, as local gook, in particular districts. The travols of the Chinese Fa Hien show that, at the beginning of the fifth century, Buddhism prevailed throughout India; and these of Whong Thoug show that this was still the case in the beginning of the sith temple near Nagguer, shows that it still prevented in the East at that period ("Jour. Bom. Boy. As. Soc.," vol. i., 9, 150.) It is to be noticed here, also, that there is a discrepancy of 42 years between the date a.n. 742 and a.n. 428."

Table XXVII. - Gujarát. Capital Paten. The Anhulwara Dynasty, a restoration of the dynasty of the Balharas.

"Ayta Akbari" list collated with that of the "Agul Purtue," of Wilford.

A.D. 696 Sails-deva, living in retirement at Ujjain, found and educated.
 745 Banaraja, son of Samanta Sinh (Chohan), who founded Anbulpur (Nerwalch or Putan), called after Anxie Chohan, A. A.

		A.D. 746	Antiboor. I. Wun Raj, son of Jye Sheker,
806 Jogarája	GOODS To	FQ6	2. Yog Raj.
841 Bhima Raja		841	a. Kaliem Raj.
866 Bheur minne		866	4. Bhooyud.
895 Behirsinh	From the 'Avin Akbari.	995	5. Vair Sing.
920 Roshadat	Rata Aditys, W.	929	8. Rutniditys.
935 Samanta	Dangleter, married son of	935	7. Staunt Singh.
· · · · · · /	Dinii Raja: Bleunda, W.		Mool Raj Sulunkben.
		- Ha	Mala London, 1856.

BAJAS OF THE SOLANKEL TRIBE.

910 W. Mala Raja, usurped the throne.

1025 Chansand, invaded by Sultan Mahmud (Sumanta, W.) 1038 Vallabha (Beyser, or Biscla, 'Ay. Ak.'), ancient line restored.

1039 Duelahha (Dubisalima, F.), usurped the throne.

1050 Bhinsa raju.

Kaladera (Koron, A. Carna-recorders, or Vitala-devs, Wn., who became Paramount Severeign of Dibl? (sint p. 247).

1004 Siddha, or Jayastah, an usurpus (Tod, vol. i. p. 98). Kumarapala, princesed. Ajayapala, son of Jayasiaha.

SOLUMBIES DYNASTY.

List of the tunesmore of Mool Ray, from a copper-plate inscription, dated Samvat 1266 (A.D. 1210), found at Abanadábbid.

I Mosi Raj dev.

Chamoond Rai dev.

Donriubh Baj dev.

4. Bhaem dev. ø. Kuruu dev.

R

Jye Singh dev. Koomer Phi dev.

Ujya Pal dev.

Mad Ridder ö 10 Bheen der.

Rhe Mala."

THE DUADULA TRIKE.

Mela (Lakhmai, "A. A."), Lakhan-raya, W. without issue.
Birdonia,) Balana-neala, Wzs.
Beildova, § of Shigela tribe.
1209 W. Bhima Deva, or Binda Bhima Deva, same as the last, Wzs.

1250 Arjun dera,

1260 Baranga deva, Ay. Ak.

Carea the Gobilli, fied to the Dakhan, when in the year 1281 Ksrsa,

1300 Gujurkt was measured to Dibli by 'Alfa-ud-dia Mukammad Shah.

TAMER XXVIII.—Hanns of Monder. Capitals Chitor, Udayapur. (Centinued from Table XXVI.)

After the destruction of the Balhara monarchy of Sourashtra, and two centuries' sojourn of the family in the Bhander domet, Bapin or Bappe conquered Chitor, and founded a new dynasty in a.v. 727. The heredstary title was changed from Gehiote to Aditya.

700	Gahija	Test, from Atteur macrophus (stated Sacres (60, vol. i. p. 80). 1. Sri Gohadia, founder of Gohila (Gelilote) tribe. 2. Rhoja (Rhagasfitya f) 3. Mahombra. 4. Naga (Nagdefitya).
		5. Syels. 6. Aprajit (compare with Table XXVI.) 7. Mahanira.

Bee also 'Ayin-i-Akhari,' vol. fi. p. 74, et seg. ; Elliet, 'Jeur. Roy. As. Boc.', vol. iv. p. 1.

William's Helt. Too, from Attgur toxeription, (Batel Beauval 1984, vol. 4, p. 800). Kalabhoja ... 5. Kalabhoja. Bhartribhata.. 9. Khoman, invasion of Chitor from Kabul 813 a.D. Samahayika... Mangal, expetied by chiefs. Bhirtripad, founded thirteen principalities for his some in Khuman 10, Mhlwa emi Gujarist.

11. Singhji, whose Rhut, Lakahmi, bure.
12. Sri Allas, whose daughter Haria devi was grandmother of Naravahana... 13. Nirvahana. 14. Salvahana. Saktivarma ... 15. Saktikumar, resided at Altpur, 067, or 1068? Tod, vol. i. pp. 243, 603. Umbs Passe. Suchivarus Narvurma, cotumporary with Sulfaktigin. Yasovarma, do, with Mahmad. Aitpur distroyed. 1977 Naravarma 1027 Kirttivarma, Vairi Sinh, (Vira Sinhs deva of Kanauj ! See Bengal.) Vijaya Sinh Ari Sinh. Vikrama Sinh. Skmante Sinh, 1300, W. Kumara Sinh. Mathena Sinh. Padnus Sinh. Jaitra Sink. Tej Sinh. 1165? Samura Sink, (Samarri, T.) hors 1149; marries Prithi Rhi's daughter: 1192 Kerna, or Karan, his see -1200 Rahup, -- attacked by Shame od din, 1200. Nine princes, eccupying fifty years, engaged in emission, to recover Gays from the infidele (Bundhista), T. Bhoust, recovers Chitor. Lakahman Siah (Lakassi, T.), married Caylan primuss.

(Ramdecof Forishta.) Chiter mekshi by 'Ali-ud-dia, (1805, F.)

Ajaya Siah (Ajayai, T.), resided at Kailwarra.

Handra, son of Oris, nanoured Chiter.

Khait Siah (Khaitsi, T.), reptered Ajmir.

Lakata Rama (Lakha Rama, T.), rebuilds temples. Expedition to Gayla.

Mokulji, expelants rightful heir Chonda.

Khamba (Kambha, T. Gorocha, L. A.), defeats Mahmad of Mahma villas. 1274 1289 1300 1364 1372 1997 Khumbe (Kambho, T. Gowaha, 'A. A.'), defeate Mahmot of Mhlwh; pillar raised in commemoration at Chiter, Ted. 1439, vol. i, p. 286; vol. ii. p. 761. Ods, murders his father, and is killed by lightning. 1418 1465 1473 Raemal, repole invasion of Dibli monarch Lodi. 1508 Sanga, Sengram, or Sinks, the Aulas or pinnacle of Mowter glory, suscenfully rouists Babur at Biana, 1526. Ratou, fell in food with Bundi Raja. Bikramajit, his brother. Second suck of Chiter by Bahadur of Gujarkt; re-1529 1632 novered by Hamaydo. Banbir, the bastard, raised to throne by Bhipets. Udaya Sinh (Oody Sing), third sack of Chiber, 1580, by Akbar. Portup (Rana), reverses at Udipur and Kunnimir.

Amera (Umra), ancessels, recovers the rained capital; defeats Abdullah Jan. 1583 1596 1610; makes peace with Johangir. 1620 Kerns (Kurn), last independent Raja; embellished Udipur. Jagat Sinh, tethutary to Soah Jahan ; peaceful reign. Baj Sinh, embanked Lake Rajmanundra. 1627 1663 Jay Sinh, forms the Lake Jay-sumund. 1680 1699 Amera, II, triple alliance with Marway and Amber, S. 1756. Sungram Sinh; the jir/put tax abolished. Jagat Sinh II. pays shouth to Mahrattas. 1715 1733 1751 Pertap, II.

1754

Raj Sinh II., country desolated by Mahrattae.

Arst, his trucks, Zullim Strak's rise.

Hamins, a minur.

Bhim Sinh, his brother. Holker and Sindia overron Mewir. Marriage feed of Jaypur and Jodhpur. Eiskna Kumir poisecool, and the race of Bappa. 1777 Rawal extinguished, all but 1828 Jewan (Javan) Siab, the only surviving son.

Tanix XXIX.-Rabber Dynasty of Kanauj, afterwards continued in Marwar, or Judapor.

From Tod's genealogical rolls of the Rabtors, preserved by the Jains, vol. ii. pp. 5-7.

A.B. (After the usual Theogeny.)
300 F Vavanasvo, prince of Parlipur F supposed of Indo-Seythic origin.
300 Basilou (Vasteleva or revives Kumanj dynasty; his daughter smartiss Buhram Sassau, of Porda. Ferishtah.

450 Ramdeo, fixed in Marwie - tributary to Ferra Saman, 460 Nayana Phia, compacts Ajiphia of Kamanj - hance nalled Khem divuja. Pudkent or Warata, king of Kanas).

Punju, bis sore. 570? Dherma Bhambo, his descendants called Dicknessu Camillaj (for twenty-one generations been the name of Ran, ofterwards Rija.)

	All Country			and the second second
	Udaya-chandra Nirputi	Programmer .	Pt uthad Coguer Plate, p. 18, dated 8, 1921 - a. 8, 185.	Promotos, nit secura Aparajitadhajapu- rakrame, Apatirurha, Kragiptapara-
	Kenekséna /see Málwa sööri Sehorra-sála Mégháséna. Virobhadra.	Gupta. Ghatarkarha. Chatalergupta. Samultagupta.	<u>_</u>	douja / Sri Vikrama. Canadragupta. Semalragupta. Kurakragupta. Vikrama Naren-
	Padeen, Vimalaette.			dragopta. Sasigupta i Asvamedbapara- krama.
	Donasen, Mekunda. Bhada	700 l Yanıvigraha ır Sriyalı. Mahichandra.	2 Mahi Chanira.	NAT SOUR
1016	Korn or Chand- ptl, F. Rüyeen. Tripala. Sci Punia.	1073 Chundra dava, conq. Kananj. 1000 Madana Pala. 1120 Gerinda Chun- dea.	6 Madana pala.	Mahtpalo deva. Kumamphla deva. Guyinda Chandra.
	(Vira Sinha), see Baugul.	1144 Vijaya Chandra. 1163 Jaya Chandra,	6 VijayaChandra. 7 Jaya Chandra.	Jadjeya dova, Ajaya dova,
	(Yaon variann), me tah. xxii.	died, 1193.		2.
900	(Submanica) one Via. Prak.			
1160	Vijayachandra. Jaya Chandra, (Dal. Pangla).			

Wilford names this prince Sudkphile, or Sadasvapale, 'As. Res.', vol. ix. p. 211,

See Banys, vol. i. pp.
3 'Who was also very learnest, king of kings, etc., and who gained the kingdom of Kanaya Kubja by the power of his arms.'

See vol. i. pp. 288, etc.; 'Ayin-i-Akban,' vol. i. p. 80.]

Table XXX.—Marsedr or Jodhpur. Continuation of ditto.

1210 Sivaji, grandson of Jayashaudra, settled in the desert, Kher. Ashthama (Asothama T.) Dookar, T. Dula Rai, W. made an attempt on Kananj and Mandon. Raipal.

Kaahul. Jalhern Chado.

Threslo. Siluk or Silks (seegin of the Silkkwats or Ilhomeas).

1381 Chands, assulard Mander, and made it his capital. Rinmal, of Gobila mother, made pilgrimage to Gay 1408 Ray Joda and twenty-three brithers had acquisite firfe. 1427 1456 founded Juditpur, and removed from Mandor

Han Siljah, or Burajumi; rape of Rabber virgins by Pathina 1488

1010 Ran Gangu

1531

Rao Mulden becomes chief finin of Enigents; fortifies capital.

sends his een as hostage to Aiber; marriage allianne. 1568 1583 Udaya Sinh; Chandra Sink, upheld by class, installed by Akbar. Soor Sinh; named Siwai Raja, a general in Maghal armies. 1.094

1610 Raja Gaj Sinh shin in Gujaras.

Joseph Hints, died in Kabul. 1657

Ajit Sinh, posthinuous. Rabbet conflict at Delhi, 4th July, 1670 (7th Sravan, S. 1716); thirty years' war against empire. Mordered by he son Abbay Sinh; emitted Maharaja Rajerwar, 1728.

Etta Sinh, em, defeated by he under 1680

1734

1749 1749 Bakht fileh, who was poissed in 1752.

Vijaya Sinh (Brajy Sinh) disputed possession with Risa Sinh. 1702

Baim Sink course throws on his grandfather's death, by defeat of Zulim Sink, Man Sink. Fould for Kicken Konskel, the Udipur princess. 1793

1803

TABLE XXXI .- The Dikamer Ray, a seion of Jodhpur.

Dika, son of Joda, settled in the Jit country. 1458

1404 Nunkarna.

1812 Just

1546 Kalian Sinh. 1573 Ray Sinh

1631 Karna Sinh. Anop Sink. 1673

1708 Sarup Sinh

Sujan Sinh. 1730 Zurawar Sinh.

1746 Gaj Sinh.

1786 Bhi Sinh, poisoned in thirteen days by

1788 Surat Sinh, regent, who marped the threne,

vanquished Surtan Sink and Ajib Sink-1799 1804 supered Bhatner to his dominions.

TABLE XXXII - Range of Amber or Dhoud har. Capital Jaypur.

The Cuchwalas race of Rajputs claims descent from Cosh, second son of Rama, king of Ayothya, who migrated and built the fort of Roths, on the Sone.

294 Raja Nala, founded Narwer or Nichida. Thirty-two princes -having the affix, Pala-

Sura Sinh 965 966 Dhola (Dula) Rai, expelled from Narwar, founded Dhund'hier dynasty. Kankul.

Maidul Rao, took Amber from the Moreus.

Hundeo. Kuntal

Pujandava (Pajun), married daughter of Prithi Rhja, LISS

Rajdeo (Sahirdeva ? of Narwar, defeated by Mahmid II. 1251, F.)

Kilian. Kuntal:

Junai. Udayakurua-his son, Buloji, obtained Americale, called Shekhavet, from his

grambou, Shekhji. Nurse Sinh.

Banhir.

Udhárno.

Chandreson.

Prithi Rhj, pilgrimage to Downless the Index mardered by

Bhinna, his won.

1550) Baharmal (Payanmal, W.), paid homage to Bilber.

1086? Bhagwan Das, Akhar's general, wedded his doughter to Johangir.

1402 Man Sinh, dicto, povernor of Bengal, Dakhan, Kabul. 1615 Bhao Sinh, died of drinking.

1621 Mahi Sinh, ditto. 1623? Juyu Sinh, Mirra Raja, polacord by his see Korat. Ram Sirth, reduced to massals of 4000. History Sonly, ditto

Siwai Jay Sinh, founded Jaypur, published 'Zij Muhamodelah.' 1698

Iswari Sinh 1742

1760 Madhu Sinli

Prithi Sinh, II. minor. 1778

Pertap Sinh 1778

get Sinh, an effendante prince, died without issue. 1503 Jay Sinh, III. posthomous, believed supposititions, 1818

It is somewhat difficult to decide where each series of inscription princes, often of most circumscribed local power, may most fitly be inserted in the general list; under the claims of caste, the subjoined sovereigns should be classed with the Chohans of Ajmir; and, under the geographical aspect again, their position might be determined by any one of the contiguous principalities by which the modern clump of Shekawati states is bounded. I have made them follow Jaypur, as to that kingdom they new belong.

Inscription on the Temple of Bri Harsha Shakdwatt. Someat 1030.

1. Gáraka, Chickón.

2. Chandra rhia.

3. Guvaka. 4. Chandana. 5. Vakpati.

Sinha rica, 961 A.D.

Vigraha rhja, of another race, A.n. 975.

Jour. As. Soc. Beng., vol. iv., p. 367.]

TABLE XXXIII .- Rose of Jenalmer.

Dynasty of the Bhattis, a branch of the Yadu race of the Chandra Vansa, Ted.

Naba, fied from Dwaries to Marusthali-(Bhagavat). Prithibhu—Khira—Jud-bhān (from Bhatti chroniclers). Bāhu-bal, espoused dangister of Vinya Sinh, Mālwā.

Bahu, killed by a fall from his horse.

Schalen, poisoned by his wife, daughter of the Ajmir Rhja, Mund. Rijh married daughter of Ber Sinh of Malwa; invasion of Farid Shah.

s.c. 94 ? Rája Guja, invaded Kandrupkél, in Kashmir.

A D. 15? Salbahan, fifteen sons, all Rajas, conquered Panjah, expelled from Kabul. Baland, invaded by Turks—his grandeon, Chakito, source of Chakit tribe. Kuller, eight sons, all became Mussalmans. Jinj, seven ditte.

Bhatti, court at Labor, gave name to family. Mangal Rao, expelled by king of Ghami—settled in Mer.

Majum Ruc, his son

730 Kebur, invaded by the Burahas, 787, s.p. 731.

Tunno, creeted Bijnet. 733

Biji Rac, continual feuds with the Langua, till 1474. Title Rao exchanged 813 for Rawal. Deorsj, excavated several lakes, one at Tunnot. Monda.

Bachera, tributary to Anandapal of Delhi ; invaded by Mahmed, 1008

1043

1156

Dunaj.

Bhojden compared against and killed by his uncle.

Jenal, sizin in defending Ledovva. Removed capital to Jenalmér.

Salivahan II., throws usurped by his son, Bijil.

Kaibus, elder brother, repelled the Khisa of Baloch.

Chuchik Dae, extirpated Chuman Rajpuna. 1167 1200

1218

Karan, repelled Munaffer Khan. 1240 Lakbon Sinh, on idiet, replaced by his son. Pringel, dethround by nobles. 1270

1974

Justal, recalled from Gujurat—defended fort for eight years. Mulral III., great sack of Jeanhole by Mabil Khan, 1294. Duild, elected Rawul, second sack and immediates. 1275 1292

Gurai re-establishes Jessimor, 1304 Kilhar, adopted; fruits: Rao Kailan, or Kerore, conquest to the Indus-lived to 80, Chechik Dee, fixed excital at Marete; continued feeds.

Bersi, compass of Maltan by Italiar. Schul Sink, Josalmer benomes a flet of empire, under Rawule Jait, Nunkarn, Blum, Manchar Day, conversion of Bhattis.

Umra Sinh, predatory incurations.

Josephan, alliance with Mowier—and of Sharti chronicle. 1701

1622 Albi Sink, Saren Sink minister potential.

Mulrūja, ditta. 1761

1820 Gaj Sinh, ditto, under British protestion.

Although the dynasty of the Gurha Mundals Rajas can scarcely claim much prominence amid the sovereignties of the larger Indian states, yet the centrical position of their seat of government, and the fullness of the detail of names, render it possible that their annuls may tend to throw a light upon the still obscure contemporaneous history of proximate lands.

History of the Gurha Mundalu Rijan. By the late Col. Sir W. H. Slaman, formerly Commissioner for the suppression of Thought in the Norbudd's Provinces.

The dominious of the Gurka Mundals sovereigns extended before the death of Sungram S4, in the year a.n. 1530, over fifty-two districts, containing each from three hundred and fifty to seven hundred and lifty villages, and, collectively, no less than thirty-two thousand two hundred and eighty. But the greater part of these districts were added to their dominions by the conquests of that prince.

These princes trace back their origin is the person of Jadoo Ree to the year Samvat, 415, or a.p. 458, when, by the death of his father-in-law, the Good Raja Nagdeo, he succeeded to the throne of Gurha. Mundala was solded to their dominion by Copal Sa, the tenth in destent from that prime, about the year a.m. 634, in the conquest of the district of Marroque's from the Gond chiefs, who had succeeded to the uncient Haihailumai severnique of Butunpure and Lahnjee. That this sucient family of Rajouts, who still reign at these places, reigned over Mundals up to the year A.D. 144 or Samvat, 201, was ascertained from an inscription in copperdug up during the reign of Nizam 84 (a.p. 1749) in the village of Dearce in the vicinity of that place. This imeription was in Sandrit upon a coppur plate of about two feet square, and purported to convey, as a free religious gift from a sovereign of the Haibaibami family, the village of Dozem in which it was found, to Deodstt, a Brahman, and his beirs for ever. The plate was preserved in the palace with the greatest cure up to the year 1780, when it was lost in the pillege of the place, and all search for it has since proved fruitless. There are, however, several highly respectable men still living who often new it, and have a perfectly distinct recollection of its contents. How and when the Gonds successful this family in the accordingly of Mundals we are never likely to learn; our would it be very useful to inquire.

This family of Haihaibumis reigned over Labujer, formerly called Champanutta; Ratanpara, formerly called Manapore; Mundels, formerly called Mahikamites (Ma-

hikmeti); and Sambalpore (Sambhalpur).

The Garks Mundale dynasty beast a Rejpost origin, though they are not recognized to be greature. Tradition save a soldier of focture from Randiesh, Jadon Ran, entered the service of one of the Heibarbanel severages of Lakejee, and accompanied him on a pilgrimage to the more of the Nerbuddle at Americans, and eventually,

in S. 415 - A.D. 344, moveded the Good Raju of Crarbs.

When Judeo Ras recorded his father-in-law on the throne he appointed Surbbes Particle as his prime minister, and we have some good grounds to believe, what is altogether singular in the listory of mankind, that the descendants of the one reigned as sovereigns of the seasoly for a period of fourteen hundred years up to the Sauger compact in Survey 1838, or a.p. 1781; and that the descendants of the other hold the office and ducharged the duties of chief ministers for the same period. Among the sovereigns during this time, there are said to have been fifty generations and sixty-two successions to the throne, and among the ministers only forty generations. This would give to each reign associating less than twenty-three years. In 1260 years France had only sixty-three kings, or one every twenty years.

I shall here give a list of the sovereigns, with the number of years each is said to have reigned. This list, as far as the reign of Press Narrain, the S2rd of this line, is found engravon in Sanskrit upon a stone in a tomple built by the con and attenuate of that prince at Hammugur, near Mandale. It is said to have been extracted from records to which the compiler, Jygobind Hajpan, had access; and good grounds to rely on the authenticity of this record for above a thousand years may be found in the inscriptions on the different temples built by the several princes of this house, hearing dates which correspond with it; and in the redistoral history

² We have not altered the system of orthography followed by the author, although at variance with Sir W. Jones' scheme, because there are some names for which we

should be at a loss to find the classical equivalents. - J. P.

In one hundred and sixty years Bone had no less than accounty County. In two hundred and fifty years the Manuslukes had in Egypt forty-neven sovereigns; and a reign terminated only with a life. The Ooths had in Spain, in three hundred years, thirty-two kings.

of the Muhammadans and others who invaded these territories during their reign. The inscription on the stone runs thus: "Friday, the 29th of Jet, in the year Samvat, 1724 (a.D. 1667), the prince Hirdes St. reigning, the following is written by Such Seo, at the dictation of Jygobiad Bajpas, and engraved by Singh Sa, Dyu

Ram, and Bhagi Butse."

As an instance which collateral history furnishes in proof of the nethenticity of this record, it may be stated that Ferichta places the invasion of Gurha by Asuf in the year Hijrs 972, or a.p. 1564; and states that the years prince, Beer Narain, had then estalead his eighteenth year. The inscription on the store would place the death of Delput St, his faffer, in Summet 1600, or a.p. 1548; as it gives 1190 years to the feety-nice reigns, sod the first reign communical in \$15. The young prince is stated to have reigned officen years, and tradition represents him as three years of ago at his father's death. This would make him eighteen precisely, and, added to 1548, would place the invasion 1863 a.p.

			No. or
	Yesley Was her Sam ALS mirror S.	44	Okur Seyn, his son, reigned 36
, L	Judoo Bae, An. Sam, 415, reigned 5	36	Ram Suber, ditto 24
- 2	Madboo Singh, his sen	37	Tarachund, ditto
- 3	Juguranth, ditto personner 30		
- 4	Rapenath, disto		the same of the sa
a	Boder Day, slitte	됐	The second secon
0	Behaves Single, 459w	1.25	Bhowany Das, ditto, 12
-7	Nursing Dee, ditte to 43	100	See Singh, ditto
	Source Bhan, ditto	4.5	Burnstein, ditte
28	Bas Den, ditter		Subul flingh, ditter
1.0	Gopal Sa, ditta		Haj Siegh, ditta majatana pajaman 31
11	Bhephi Sh, ditto	44	Daden Rac, ditto accessoration areas ar
12	Gopernath, ditte more commenced at	110	Gorak Das, ditto
13	Ramchund, dille permanererere 13		Arjun Stogh, ditto 32
14	Soorian Singh, ditto		Sungram Sk, differ
16	Harmhar Dee, ditte	49	Dulput Sa, ditto organisticianistata 18.
16	Kishuu Duo, ditto accommende 14	.56	Bernarues, ditto
17	Jugat Sing, ditto,	44	Chundre Sh, his paternal work 12
18	Mulas Bing, ditto, 23	62	Mudker Sk, his sen 20
19	Desergine Mul, ditto 19.		Prem Nersen, ditte
26	Jokurus, ditto,	51	Hirden 84, ditto apertermentary (1
21	Pertapadit, ditte 24	86	Chatter 51, 6/40 7
22	Josebord, ditto	540	Kenzree St., ditto
23	Munichur Singh, ditto, 23	57	Nurind Sa, ditto (ab. a.m. 1731) \$4 or 54.
24	Gobind Singh, ditto	58	Mohraj 85, ditto
2.5	Ramolyand, ditto	659	Scorey Bu, detta (of a.ts. 1749) 17
26	Kurun, ditto	60	Doorjan Sa, ditto.,
97	Ratuu Seyn, ditto	61	Nisam Sh, his pateeral uncle (ed.
9.8	Kumul Nyas, detta		1776 4.0.)
29	Beer Singh, ditto 7.	92	Nurhur Sa, his nophew, son of
20	24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Dhan Singh, brother of Ni-
33	Tron Bobun Rae, ditto 23		sem Sa, but of a different
32	Prethes Ree, ditto 21		mother (ab. 1789)
33	Bhartea Chund, his sea 31	82	Somere Sa, ditto, 9 months (ob. 1804)
34			The state of the s

At the close of the reign of Sungries St. the dominion of the Gurka Mundala rajes extended over fifty-two districts, but it is believed that he remived from his father only three or four of those districts.

 [[]Invasion by Asuf Khan, the imperial vicerny at Kurha Manikpor, in 1564 a n.]
 [Invasion by Balajos Bajas Rao, a. n. 1742. See also Captain Pells' Inscription.
 As. Res.', vol. xv. p. 43.7]

[The two inscriptions which follow refer more or less to localities proximate to the site of the country whose history forms the subject of the preceding remarks.]

Inscription from Khajras, near Chhaterpur, dated 1019 Samuel = 962 A.D.

1 Nanuaks. 5 Sri hersa.
2 Vag Yati. 6 Yas—dharma deva.
3 Vijaya. 7 Banga.
4 Vihala. 5 Jaya-varma deva.

This inscription possesses an adventitions interest in the fact, ercorded in its text, relative to its having been engraved, lat, in invegular letters; 2nd, in clear character; and 3rd, 54 years afterwards (S. 1173), re-engraved in Kakada characters.—"Jour. As Soc. Bong.", vol. viii. p. 160.

Kumbhi (35 miles N.E. of Jahalpur) Souger territory: Inscription, S. 932 v. s.p. 876.

Dynasty satisfied Kulu-Churi:

 Yuvi-Rhja-dava, a descendant of Kartta Viryya, of the race of Bharat,

Kokalla

3 Gangeya-dura.

- Jour. As. Soc. Beng.', vol. viii. p. 451.

4 Karna-deva.

5 Yasas Karma-daya.

6 Gaya Kurna.

Nara Singha.
 Vijaya Singha.

[Mr. Ommanuey, in forwarding the Multive plates, of which the

There are no each parses as Datta Raja, Govinda Raja, Maswamika Raja, or Namia Raja, in the entalogue of Gorba Mandala Rajas. They may be descendants of Bakht Bulard of Desgath Balaghat, but it is not probable. It appears that they were Rabines (Rashtra kunas), but still they were railed Ghorowa or Gond, which induces me still to think they must have reigned assessment in these paris. The villages mentioned have not the eligiblest recombiness in mome to any in this district, nor can I discover any at all like these, at Hashangabhid or Jubalpur.

translation is subjuined, prefaces them with a few remarks :-]

[In commenting on Mr. Ommanney's communication, Princep adds :--]

One of the most obvious corrections is that of the name on the seal, and in the second line of the third page, where the plate is much worn, viz., Yudhisure in lieu of Yudhistara, which the Sadr Amin appearently supposed a corruption of Yudhishthira. The first name also read as Datta Bhju should be Durgga Rhju.

But the most majorial correction applies to the date, which Mr. Ominumey interprets as Samvat 1636, or a.p. 1573. The alphabetical type at once proves that this supposition is many centuries too modern, nor do I clearly sie how the panellt could so far have mided his master in the translation, soving that the text is read by Mr. Ominumey himself and the panellt alababa shothers translationable. The

I read this name Durgga Raja .- J. P.

2 The Sailr Amin reads Maswmalka Rhia; but it is probable that the text should

be understood as Srimut-Swamika Rhja. -J. P.

The word supposed to be Oborowa is precisely the some as that on the seal, the surname of the Rhja. Yudhleura, the *hero in battle," so that the connection with the Gond tribes cannot be thence dedoced. -J. P.

obvious meaning of this is six hundred and thirty besides,—just about the period we should have assigned to the writing on comparison with the Gupta and Gujarkti styles. But it is not at all certain that this is the correct reading, or that the ora can be saumed to be that of Vikramáditya. The precise letters in modern character are,

प्रक काले संबत्तरे प्रतिषु • • विशोक्तरेषु

Baba kili samuatuari s'ataska II trins'ettarisha.

Now, in the first place, the ern is here that of Saka or Selivibana; in the next, after the word stateds, hundreds, in the planal number, two unknown characters follow which may be very preliably numerals. The second has much resemblance to the modern was eight, but the first is unknown and of a complex form; its central part reminds us of the equally enignatical numeral in one of the Bhiles inscriptions. It may, perhaps, designate in a cipher the word asks well, 'in numerals,' thus purporting 'in the year of Saka, hundreds, numerically eight, and thirty over.' A fertile imagination might again convert the cipher into the word well, eight, afterwards expressed in figures; but I must have this curious point for future clucidation, wavering between 650 and 830 for the date of the document, which is either case is of considerable antiquity, and indeed one of the most ancient of such records yet brought to light containing a date.

TRANSLATION OF THE MULICIPE PLAYER.

(On the Seal) Srt Yedhisura (the adopted name of the prince).

fiwasti: Sprang of the pleasing lineage of the Rashpektite (Rahter), like the moon from the ocean of milk, was the Frince Sci Durge Rhja through whose concillatory conduct to the meritorious, and his vigorous emergy, extending his rule to the ocean, secured him the good-will of both parties (his triands and enemies). His son was Govinds Rhja, whose fame was carried in many a hattle; from him was born the self-controlling and fortunate Prime Massanika Rhja, the nurivalled, whose valour is everywhere the theme of useg, who never turned his back in battle, and was always victorious. His son is Sri Namba Rhja, much respected by the picus; handsome, accomplished, humans, faulthese, a dreadful average (kells) on his enemies; foremost of the appraints for military renewn, shief of the dignified, and prominent among the active and intelligent, the very tree of desire (kelps drawn) to the necessitous.

All natural and acquired qualities suck refuge in his virtuous breast, a firm Brahmana—a firm Bhagavata'—his surname is Sri Yuddhasura' (the hero of buttle). He hereby proclaims to all his officers, nobles, and the helders of villages, 'Be it known to all of you that we, for the promotion of our father and mother's virtues, consecrating with water, present to Sri Prabha Chainzveda, of the Kastan tribe, the grandson of Mitra Chainzdeva, and son of Eana Prabha Chainzveda, the village named Jalan Kaha, bounded on the was by Kinihi-vajara, on the north by Pipparikh, on the cast by Julukh, and by Ujanagrisma on the south,—on the full moon of the month of Kartika.

Let this gift be held unabjectionable and inviolate by our own posterity, and by princes of other lines. Should say whose mind is blinded with ignorance take it away, or be accessory to its resumption by others, he will be guilty of the five great sins.

It is declared by the divine Vytax, the compiler of the Vedas, 'Many kings have

That is, a rigid disciple of Vistore.

Mr. Ommanney reads 'Ghorowa Sur' (Ghorowa the Sansorit for Gond), but the word is evidently the same as that on the seal.

in turn ruled over this earth, yet he who reigneth for the time is then sole enjoyer of the fruits thereof. 'The bestsoor of lands will live sixty thousand years in heaven, but he who resumes it, or takes pleasure in its resumption, is dosned to hell for an equal period."

In the Shakakal, six bandred and thirty years over, was written this offict (Sasa-

nam) : Kulo, the well-skilled in penes and wer, wrete it.

Table XXXIV .- Orises, Or-Desc, or Athala-Desc, had. Outlack.

From the Vanutvall, and Ricia Charitra, in the Uris language, preserved in the temple of Jagannath, a record supposed to have been commenced in the 12th century. -Stirling's 'Account of Cuttack.' 'As: Bue.,' vol. av., p. 247.

After the mond detail of the Mythology, and early kings of India, down to

Vlkramåditya.

A.D.

142 Bato Kesari.

103 Tirbhobun doo.

234 Mirmul diss. 281 Bhima deva.

Subhan deva. Itakia bales invades Jagannich by sea, destroyed by an inter-516 dation of the sea, that also formed the Chilks lake.

Indra days was captured and displaced by the Yayamas, who reigned for 146 years.

RESEAST-VARIA RESTORED. 473 Jajati (Vapūti) Kouri, sapital Jajopur. Suraj Kouri.

I have kept here Shatkens as read by Mr. Oursanney ... J. P.

- I have kept here Shatkeen as read by Mr. Ourseanney.—J. P.

 'Mr. Stirling agra" that 'no information whenever is afforded by the Orional chronicles of the origin of the princes solled the Kessei venus; the founder of the new dynasty in a.p. 473 was Jajati (Yayski) Kessei, a worlds and concretic prince, but who he was or whence he rame we are not apprised. He was cleared his dominions of the Yayanas, who then retired to their own country. Perhaps the present inscription may in some measure remove the obscurity. It communes with the conquest of Udhra or Orion by Januaryleys, the king of Triings. It is possible that this aliables to the prizes of that same in the Parasite lists, but the locality of his dominion and the names of his immediate successors are wholly different from those of the Marcafin line, and their history is discontantially told as of events removing of the Magadha line, and their history is circumstantially told as of events trumpired not long antocodest to the Kenni dynasty of Orion. His on was Directorive, and from the latter was been Apavires, who died without issue. The kingdom was then overcon by invaders from foreign associates (perhaps the same designated or Yavanas in Stirling's 'Chronicles'), when Vichitzwires, another descendent of Janeserjayn reigning to a neighbouring kingdom, possessed himself of Orlaw. His son was named Abblimanya; his again Chambibara; and from the latter descended Udyotaka Kesari, whose mother, Kelavati, recated the temple to Siva as Brahmeswara. The date of the description is expressed only in terms of the reign, but, from the style of the Derunigari, it may be confidently affirmed to be later than the speek fixed for Lotal Indra Ameri (617 a.m.). Udyotska Kouet must, then, he one of the flurty-two un-recorded princes who succeeded him in the Kesari line previous to the establishment of the Gangavarran family on the Cottack throne. The figure 3, it may be removed, closely resembles the amount form of this nomeral; the 8 is pearly of the modern shape.
- The following is the list of names supplied by this inscription :-] Jamanojaya. — 2. Dirgharava. — 9. Aparters. — 4. Vichitzavira. — 5. Abhimanya.
 Ghandihara. — 7. Udyezaka Kasari. — On the 3rd of the light built of Phalgana of the Samout 18, of the victorious reign of raja Ddyetaka Kesari Deva, who was most rich, king of kings, a rips of the honer line and load of Kallega. 'Jour. As-Soc. Beng. October, 1837.

[&]quot; 'An. Res.,' vol. xv., p. 265.

Anunta Kesari.

Laket Indra Kesari, built the Shuraneswar temple, 557. Thirty-two reigns, extending 455 years. Cuttack built, 989.

GANGA-YANGA.

Tribhavana.

Churang, Suranga deva, or Chor Ganga, invaded Drissa.

Mala Deva.

Gangeswara deva, extended dominions

Proli. Rudradeva.

Anangu Birits den, uscended Gajapati throne; endewed Jagan-1174 nath ; struck coin ; title Rawet Rai."

1201 Rhjerwara don.

1236 Raja Narsinh deo, built Kankruk (black pageda) 1277.

FIVE NARL SINILAS AND SIX RELATION, CALLED THE SURAI-VANNA RAZAS.

1451 Kapil Indra doe, adopted by the last Bhinn, assisted Tellingu Rhja against Musalmans, 1467.

1471 (Himber ! Rai of Uris, moording to Ferishte.)

1478 Purentian due, conquera Conjeveram.

Pertil Budra den, left thirty-two sons, all mardered by 1502

1524 Govind don, his minister.

1631 Portab Chairs doo, the last of the dyeasty.

1,599.

Nacsinha Junea, deposed by Telinga Mukuak doe, (Harachenden) invaded, and covereignty of Orisan over-1.530 thrown, by King of Bengal, 1658.

1 This inscription is stated to be engraved on a sink about six or seven feet high, which is to be found close to the temple of Redradeva at Warangal, the modern name for the ancient capital of the Telinguna rhips, called in this inscription demoduceds. pure or paters. The invertpition,—that is, its commencement and close, excluding the Sanskrit sicken,—is in on old dishot of mixed Telegra and Corys. It is valuable as containing the generality of rain Budraders, and as showing that the previous dynasty established at Warengal was occurred and displaced by his father, called Proli chia. The inscription gives ac authorize date also for the reign of Budradera in Tellinguns, viz., 1054 Saka, corresponding with 1322 a.m., and above this to be the raja, cuiled in the temple as sale of Jarannath Churang or Chergungs, who is said to have errorem Katak coming from the Karnath, and to have frunded or established the Gunga-vance dynasty in the very year of this inscription, viz., 1054 Saka. Rajo Restruters is muniforml as a benefictor of Jaganustis, and Katak is included in the boundaries which are assigned to his dominious at that period. These are described in the inscription os extending as far as the san to the sast; the Scoo Sails ? mountains to the ereth; as for in eacther direction, which must be west, as Bikutaka; while to the north his rule extended as for as the Malyavanta, now purhaps the Malyagiri, mountain, west of Baleswar.—1. Triblectans, a great warrior, of the Kékalya rece.—2. Mala Deva, 'chief of the Kékalya rajas'—5. Proliving the sen of Mala Deva, reduces Govind raja, king of Tailana' gives back his kingdom to the king of Erha, enquera and brands the founder of Nadha' in Mantra-kutnagar, and because the Erha raja declines to join in the expedition, expels him afterwards from his raj. - t. Endradeva. Assumbancy granted by Haism raja (half-brother of Rudradava), consequent upon the death of the Gokurna raja, the Churhidaya raja, and the king of Tailopa; inflated with those successus, he ventures to defy Rudradeva. Bhima flies in terror.

Rhubaneswa (in Orissa) Inscription. 'Jour. As. Soc. Beng.,' vol. vi., p. 278, Anigondo Balma, the brother of "an excellent man," who had come to the throne through marriage with Sussma, the daughter of Ahirama. Prince olds, the date of Ananga Bhima also agrees closely with what was assumed from the style of the alphabet and the Samwat 32 of the Basu-deva slab (inscription in As. Soc. Messum, vol. vi., p. 88, 'Jour. As. Sec. Beng.'). It will honce become a question whether

* The pumlits say this is not Orison, which always in the old dialects is written Cording Des.

EHCHDA RÁJAN; BUTÍ-VANKA, OR EERINDÁRÍ BACH. Ramchandru deo, titular Rája under Akbur.

Pursettent dec. Afghan incursions.

1630 Naminh deo.

1655

Gangadhar dec. Balbaadder dec. 1856

1664 Mukund deo. Dirb Sinh dec. 1692

1716 Harikishen deu.

1720 Gopinath dee.

1727 Hamshandra deo. Boundary much reduced. 1743 Birkishore deo. Mahratta deprodutions. 1786 Dirb Sinh deo, attached to Nagyur, 1745-6. 1798 Mukund Deo, deposed by the English, 1804.

TABLE XXXV .- Rajas of Nopal.

The mythology of Nephl commences, like that of Kashmir, with the desiceation of the valley, for ages full of water, by a Muni called Nationally whence the name of the country Naipala), whose descendants awayed the sceptre for near 500 years.-Kirkputrick's Nipal."

k.C.	5593	Bhurimshigsh (adjusted back at 18 years per reign, n.c. 844.2)		5493	Jayaropta II., overcome by Rajputs of the Terai, near Janakper, v.o. 700 !
	3795	Jayagupta. Permagupia,		3211	Bal Sinha, descendant of Muhipa Oupdia.
	3631	Bri Harkh,	1100	3302	Java Sinha.
	2564	Hhimagunta,		1825	Blowani Sinha, overcome by
	2526	Municipala.			Clie
	2489	Bishengupts.			100

KERRAT TRUBE OF BASTERN MULTURALISERS.

2240	Yelling, adjusted date, n.c.	2049 2010	Srupart.
3160	Dankhuro.	-	Lety dastri.
3113	Balancha.	2704	Panchem.
3061	Kingli	2723	King-king-king.
2040	Homanter,	2007	Sonend.
2090	Tuskhak.	2627	Thoma.

these figures are, in all cases, to be referred to a Cuttack era, or whether the same Devantaguet alphabet was in use from Shokzwati to Bonaren, Dinapper, and Orison, in the 12th sentury, while such prime had then as sen of his own.\(^1\) Jour. As. Soc. Bong., vol. vi., p. 280.]
[The fellow inscription alluded to is to the following effect:—]

This inscription is without date; but the form of the letters and the names of persons mentioned will probably reader the fixing of its age an easy matter to those conversant with such subjects. It was composed by a pandit named Sri Vachaspoti, in praise of a brahman of rank and learning, styled Blatta Sri Bhava-dees, and his family; and it would appear that the slab on which it is sagraved must have been affixed to some temple of which Bhava-deva was the founder. The individuals of this family, whose names are given, are—1. Savarna Muni, the root of the gotra or line.—2. Bhava-dava ist, a describiant of the above, whose elder and younger brothers were Maha-dava and Attahkas.—3. Rathings, son of the above, who had seven pounger brothers.—4. Atyungs, son of the above.—5. Budha, son of the above, surnamed Spherita.—6. Adi-dava, see of the above.—7. Govardhana, son of the above, whose mother's name was Devek!—8. Bhava-dava 2nd, son of the above, surnamed Bāla-valabht-bhujanga, whose mother's name was Sangoka, and who was minister to Bāja Harivarnus-deve and his son.

			- 317
2558	Jaigri.	2065	T-ha
2498	Jenneo.		
2425	Sucakel.	2019	Sungmia.
	100	1950	Justa.
2365	Thur.	1887	
2294	Thoma.	1813	Kimbbian.
2211		1739	Gulijang, displaced by Khetria
2138			of the
-	Kashirin.		
	SCETA-VAS	MA BACK.	
1668	Nevesit (adjusted date of com-)	724	Vasa datta verma,
	quest, n.e. 178).	691	Sriputri.
1608	Matta Ratio.	688	Siva vriddi.
1517	Kalkvarma.	611	Vasanta dava.
1441	Paraposh deva (founded Par-	450	Devs.
	patnách).		
1385		400	Brikh (Vriksha) deva.
Lame	Bhoskar varms, a great con-	436	Sankara deva.
****	querar.	350	Brakma deva.
1311	Bhund yaena	335	Man devs, arected Sambhu-
1270	Chombra varma.		nath mundil.
1349	Jaya varma.	297	Mahe deva.
1187	Vrisha varma.	247	Vasanta deva.
1130	Sarva varma.	190	Udaya deva.
1051	Pathi (Prithi) varma.	148	Man deva, IL, three years'
1025	Jist (Jayertha) varma.	1	drought.
977	Kuber (Kuvera) varma.	99	Boksm.
901	Hari varua-	49	Birn dera.
824	Siddhi varma.	100.0	
763			Narendra deva.
104	Bapac Narayan temple),	A.D. 27	Bhima dove, varma, displaced by the
	ANTEN, OR ORIGIN	AL SOTHER	ninom.
43	Bioben gupta.	176	Bhūmi gupta, expelled by
117	Krishna gupta.	*10	warmin Erdier' exhemon oh
WIR	THE SHYBET DES		A - 1
218	Siva days varms (adjusted	778	Sobo deva.
-	date, A.D. 470).	907	Vikrama deva.
2.09	Angho varma.	809	Narendra deva.
301	Kirtu verma-	810	Ganakama deva.*
319	Bhima Arjuna deva.	595	Udaya deva.
258	Nenda dore.	901	Narhhay deva.
271	Siva deva.	9419	Ehnj deva bhadra.
387	Narendra deva:	917	Lakshmi kam daya datta.
424	Bala deva.	938	Jaya deva, reduced Patan.
461	Sankara dova.	0.58	Udaya deva.
453	Bhima Arjuns deva, IL.	984	Bals ders.
469	Jaya deva.		
488	Sri bala deva.	977	Padiem deva.
504		984	Nag Ariana.
-	Kondaru dova.	987	Sankar deva.
531	Jaya deva, II.	1094	Bum deva.
674	Bala deva, III.	1006	Sri Harak deva
584	Balanjun deva.	1027	Siva deva.
622	Raghaba deva (adjusted date,	1950	Indra days.
	A.D. 8801).	1062	Man deva.
986	Sikar deva.*	1067	

¹ This is exactly the first year of the Newir era. He, it is said, introduced the Samvat into Nepál, which may apply to this, and not to the era of Vikromáditya. (With one or two exceptions, marked *, these reigns are of natural lengths, and require no adjustment.)

1073	Rudru deva.* 1195 Anya mall-a famina.	
1153	Amrita days (a great dearth). 1244 Ohnaya mail, ditto, and e	arth-
1157	Sumerar deva. quakes.	
1164	Baz kinz deva. 1246 Jaya deva.	
1280	Anwards mall deve. Kissas and Turbut families settled in Nephi, Sa 1864, A.D. 1287	myst
	Jayananda deva.	
	Jaya sinha mail.	
	Jays Haora mall, daughter married Hari Chandra, Raja of Benarm-daughter, his Lucium, succeeded, but was deposed by	-hia
1323	Jayn deva, who was disposessed of the throne by	
1323	Hara sinba deva, Raja of Simroun, who was expelled from his dominious by the Patas sovereign of Dikli. (See below.)	own-
	Belal Sinba, cepital Bhatgaon.	
	Sei devu mall.	
	Missesser	

Naya mali. Ajoka mall, Jestili mall. Jait mall.

1711 1600+Jaya Eksha Mall (or Jye Kush Mull), divided Paten, Khatmando, Bunepa, and Bhatguon between his daughter and three sens.

	NO.	Raya Malla. Bho Bhin pulla.	Sirete	pan.	BANEFA. Run Malla. BRATMANDU.
700-800	1669-79	Hemot malls. Java Chakes mall. Triboka malls ! Japat Johi malls. Jav Jota mitra malls.	788 777 793	1433 1696 1602	Rates sulls. Jeys Frakus mulls. Pretap mulls. Jers Yora Prakus mails.
816 842	1605 1721	Rhopati Indra malla. Ranjit malla, formed alliance with Guck-bas, which coded in his subsupping, and finally that of all Nophi.	516 RVI 836 843 545 974	1701 1715 1722	Jaya Prakto malla. Ithaskera malla. Mahendra malla. Jaya Jagot Joya malla. Jaya Yoga Prakto mall.

Rishi nirmal dava,
Jaya Zughir Yogu
Jaya Vicheu malla.
Jaya Yogo Prakis
Java Vishuu malla

QURENALI DENASTY, DISCENDED PROM THE COLVAPUE RAIFOTS, OCCUPIED ESHAGE AND NOAKO'T, FOR SIX OR RIGHT DESCRIPTIONS, PRIOR TO CONQUEST OF EXPAL.

A.S.

1690 1768 Prithinarayan Sah. 1693 1771 Pertab Sinha Sah dera. 1697 1775 Ran Behadur (Behadur Sah regent), deposed by nobles, 1800. 1722 1800 Girwan Yudh Vikrama Sah deva.

^{&#}x27;[The dates in the Newar cycle inserted in this table were written in by Jas. Prissep, on the printed page of his own copy of the 'Useful Tables.']

4.8.

Ban Behådur, returns from Benaros, deposed and assasinated. Girean Yosh Vikrama Shh deva, again. 1726 1864

1727 1805

1738 1816 Rajendra Vikrama Sah dava.

The Khatmando and Patan names, and all the dates from 1632 downwards, are confirmed by Nephless coins in my possession, collected by Dr. Bramley,-J.P.

Table XXXVI.-Rojes of Samangerha, or Simroun, in the Tardi, wouth of Nepal.

PROM SIRRPATURE.

A.B. 844 Nams devu. Kanak deva. Naminha deva Rama Sinha deva-Bhad Sinha days. Karm Binha deva. 1323 Harn Sinha deva.

PROM RODOSON'S LIST, 'JOUR. AS SOC.' vol. iv. p. 123 Nanyopa deva, founded Simroun, A.D. 1097. Ganga deva. Nara Sinha dera. Bánca Sinha dera-

Bakti fiinba deva, Hara Sinha deva, compelled to aban-don his capital and take refuge in the hills, when Hingern was de-stroyed by Tughisk Shah, in 1323 A.b. See above for his connection with the Raj of Nephl.

Table XXXVII .- Rajas of Bongal, capitals, Kanauj ?- Gaur.

Aba'l Fael enumerates three Dynasties anterior to the family of Bhupale, which last is identified by inscriptions found at Benaves, Mongler, Dinapur, etc., viz. :-

The family of Bhugrut (Bhagiratha), Kahatriya-24 princes, reigned 2418 years.

The family of Buolgurya, Kaith-9 princes, reigned 250 years.

The family of Udsour (Adieur), Eaith-11 princes, reigned 714 years.

Then follows the family of Bhupal, to whose 10 reigns 689 years are allotted, which is evidently too much; the automica of names differs also somewhat from those of the inscriptions.

PROM AND'L PART. Ayin-i Akbari, vel.ii.p. 21. Bhopála.

1027 Dhirpkia.

1950 Deophla Bhupstiphla. Dhanpatpāla. Bijjenpāla. Jayapāla. Rajapala. Bhogpála. Jagadpála.

MONGGIN PLAYS. Gopala.

DhormapAla. Devanida. BUDGE PLATE.

Rhisphla. Sarspaix. Nkrayanpāla.

BARNATH INSCRIPTION. Mahipala, Sthiruphla. Vasantapala.

\$017 Kumaruphla (Fer.)

DUNASPUR COPPER-PLATE.

Lokupala. Dhermepala. Jayantila. Dovapála. Nurkyanphla?

(Two names illegible.) Ekispala. Vigrahapāla.

Mahiphla, at Benares.

Nayapala. 1027 Vigrahapala.

¹ The Monghir plate, dated 23 or 123 Samvat, evidently refers to the Bhupala lynasty, and not to the Vikramiditya era, as was supposed by Wilkins.—J.P.

VAIDVA BAJAS OF RENGAL

1063 Sukh Sen.

1056 Belal Sen, built the town of Gazy.

1116 Lokshman Sen.

1123 Madhara Son. 1133 Kosava Sen. 1151 Sura Sen.

1154 Narayana-Noujeb, het raja of Abu'l Pagl'e list.

Lakshmuna. 1200 Lakshmaniya

(See Muhammalan dynastics).

DARRESSANT PROPERTY TON, 1136 A.D.

Vijaya Sema.

Bullala Sema Lakshmung Sena.

Kusata Sona.

⁴ [*The purport of the whole inscription is, a grant in perpetuity to a brahman named Iswara dove sarma, of the Vaisa tribe, of the villages of Baggié, Bettogsta, and Udyamdna, situated between four equally unknown places in Bauga, or Bengal: unless Garbaghataka be Ghoraghata in the Dinappur, or Vikramapur, the place of that name in the Decor district. The mention of banks of fresh water, with homes. hullt on the raised banks for protection against inundation, of the arighbouring jungal in the west, and of the saline soils, is in ferror of the locality being in the Bakerganj district itself, on the edge of the Sundarhams, where are sait is still manu-Bakerganj district itself, on the odes of the Sundarhams, where are said is still manufactured. Probably the Chanda Bhanda tribs, made over so property along with the soil, may have been the poor class harned from this tract (quasi Bandalamila, as, indeed, it is generally pronounced) employed in the said works, and, like the medicus Molangia, only a step or two removed from slovery. Beganding the Vaidva dynasty of Bengal (so called from his founder being of the medicus), there is the same uncertainty as in almost all other portions of Indian bistory. Some make Adout the progenitor; he who is stated to have applied to the reigning king of Kanauj, Kanyakubja, for a supply of bribmans for the Bengal provision; but the estalogues recorded, on good authority, in the 'Aythe-i Albert' place the whole of the Bhapfit dynasty, extending to 000 years, between Adour and Bakk Sena, the father of Balikla Sena, who built the first of Guar. No mention of other of those portion is made in the present inscription, but on the sentrary, the father of Balikla Sena is distinctly stated to be Vijaya Sena, and as this is, I believe, the first copper-plate record of a grant by the family, we should give it the preference to books or tradirecord of a grant by the family, we should give it the preference to books or traditions, on a point of history or near its own time; for Kaysen Sens is but the fourth in descent from Vijeya on the plate; or the fifth, if we take Abu'l Pazl's list. It is curious that wherever the rums of Kesawa Sense secure on the plate there are marks of an erisone; as if the grant had been prepared during the reign of Madhava Sense, and, on his dying before it was completed (for much a plate much have taken a long time to engrave), the name of his moreover, Kenara, betanetely happening to be of the same procedual quantity, was ingenismally substituted, and materia session, the en-dowment was completed and processingered. Kenava must have been in this case the brother of Madhava. Little of the historical occurrences of Kenava's reign are to be gathered from the inflated enlogistic style someon to this species of composition. It is said, in general terms, that he kept his enemies in owe, that he was religious and bountiful to the priorithood. The title of Sankara Gazawara, applied to all the membern of the family, may mean either the amplicious family of the city of Gaur, or it may convey a sly hint, by the substitution of TET for HET (mixed race) of the inferior casts of the Sana dynasty. Nothing is said of the miraculous descent of Ballala Sana, as before remarked; but he is said to have worshipped S'iva for many hundred years (in former generations) to obtain so famous a son as Lakshmana Sena,
—who seems to have been the here of the family,—erecting pillars of victory and altars at Benares, Allahahad, and Jagannatha. It may, however, he reasonably doubted whether these monuments of his greatness ever existed elsewhere than in the poet's imagination. The date of the grant is very clearly written in the lowermost line # 3 ## ET asserve I junisthis dine ... but the rest is not legible. The third year doubtless refers to the veign of Kesava Sens, which brings the age of the plate to the year 1136 of our era.']

TABLE XXXVIII .- Rajos of Assam -anciently Kamrup.

The best authority is a Native History ("Assem Bursaji") by Heliram Dhaskiyal Phakan, of Gohkti. Bengal, era 1236. 'As Jour.,' 1830, p. 297; also Mr. Scott's MS. Notes, arranged by Dr. McCoch.-Buchanan is not to be trusted prior to Rudra Sinks. [Terpur inscription, 'Jour. As. Soc. Beng,' vol. in., p. 766.]

After bringing down the genealogies to the Kehatriya dynasty of Dravir (Dharmaphla, etc., who invited brahmone from Gour to his court, north of the Brahmaputra!)

DRAUMATUTBA DYNASTY, 260 TRABS.

Shuanku, or Arimatu, built first of Vadyagarh. Phainguya, an noneper of the mile of Kumuteshwar. Gujanke, former line restored. Shukarunku.

Mrigonku, without issue; died a.n. 1478.

1498

Musumlar Ghazi. Sultan Ghiasuddin; after whom 12 states restored, of which Nara, east of Saussay, had been gradually rising into power since the middle of the 13th sentury.

PEDRAYANSA (SEDU) DENASTE.

Chu-kapha, became independent, and spread conquests, surnamed Assma 1230 7 (unequality), whereve Assure.

Chu-touphs, suc, defeated the Raja of Cachte. 1.263

1291 Chu-beuphic 1299 Chu-kungpha.

Chu-khampha, valley invaded by Muhammad Shak, 1337 1332

Interrugues of the years; when the ministers installed 1364-9 Chu-taspha, a relation, reseprend Chhatiyas 1369

Chu-khamethepa, a tyrant, killed by his ministers 1372

1405-14 Interregium of mine years.

Chu-daughts, conquered as far as the river Kurutoya. 1414

Chu-jangpha, his son 1425 1440 Chu phulpha, ditto. Chu-singpha, dette. 1459 Chu-hangpha, ditte. 1485

Cho-simpha, a tyrant, put to doub. 1401

Interroguum, and Hosain Shib's invariou, 1498. 1497

1506 Chu-humpha, a brother, various compaests. 1,549 Chu-khapha, his sou, built Gurgram.

1563 Chu-khranpha.

Cau-chainpha; introduced reforms; pretroird Dharmanarain. Cau-rimpha, a tyrnot, dethround. 1516

1640

1643 Chu-chinpha.

1647 Kuku-mikhoya Gohani, dethroned for his brother.

Chukum, or Jayadhwaja Sinha, adopted Hindu faith; defeated Aurangzib's 1665 > general?

Chakradhwuja (or Brija) Sinha, built fort of Gohati; (Samagrya dora, 1621* Mr. C); repulsed Aurangelt's general? called Chukum

1865 Kodayaditya Sinha, attempted to convert the people.

1677 Parbattia Kunris.

1681 Lororaja, for some reigns confusion prevailed until

1682* Gadadhara Sinha; his son Kana set seide.

A.s. 1570, A.D. 1548 - Surrysmerdyon, also called Pretapa Sinh, the Hindu name of Charlespho-(Jenkins); he was of the Debingio family, who took the name of Narain; the other branch, Toughonent, took the title of Sinks.—J. P.

1689-171	3º Rudra Sinha, built Rangpur and Jorhat; his colus first bear Bengali
	inscriptions.
	Siva Sinha, established Hindu festivals.
1723-26	
1729-304	
1732-38	
1738-43	
1744*	Prematita Sinks, made equitable land settlement.
1701=	Rhjeswara Sinho, embellished Rangpur, allied with Manipur.
1771*	Lakshmi Sinha Nurendra, younger son, raised and deposed by minister,
1779*	Geurinatha Sinha, his son.
1792*	Blureta Sieha Mahamari, conquere Rangpur, and
17934	Sarvinscole Sinha, usurps power at Baltaguara.
1796*	Bharata Sinhu again attempts, but is killed.
1100	Gourinktha Sjuha, restored by British; died at Jorhkt.
1808*	Kamalaswara Sinha, or Kimarkas, not crowned.
1900	Raja Chendrakanta Sinha Narondra, flod to Ava.
	Paramiliar Sinha, great grandom of Rhjoswara Sinha, expelled by Burmeso, and
	Chandrakants, restored, but deposed again, and
	Yogowar Sinks, raised by Assumose wife of an Ava menurch, under
	Manghi Maha Thelnah, the Buenese general and real governor.
1824	Burmess expelled by English.
44.44	Committee of the Commit
	MATERIAL TANKS
1712*	Date of Manipuri square cellus.
1763*	Persian coins of Raja Mir Sink of Rangpor.
1780*	Boughli roles of Jayanton Raja.
F.L. Gitt.	mortani tunin ili vallancia irake

Tank XXXIX.—Rijas of Manipur, Miethil, or Mogli. From the Michauba or royal genealogical roll, Capt. Pemberton's MS.

42.	Billion benefit T	MIN.	1200	Thomas T	mer.
35 /	Pakhoorbs, migued	190		Thawalthaha	30
174	Khat	90	1220	Chingianglalthabs	11
264	Tanubingmang	100	1347	Thing based hombs	. 0
264	Koening gualba	15	1282	Perulthaba	16
379	Pensita	10	1268	Khamemba	15
394	Kamu Xhangba	15	1283	Moeramba	24
411	Num khamba	47	1.807	Thoughtialthaba	22
428	Nanu phumba	90	1329	Kongyamba	31
518	Samuerang	-59	1860	Telbuche	19
450	Kel Thucht	96	1399	Lain-Du	5
663	Nanuthinghoog	100	1409	Palacha	24
763	Khongtekeha	10	1437	Ninthoukhombo, reigned	35
284	Karrelcha reserver error		1472	Keyamba	40
799	Vacaba	3.2	1512	Koeremba	6
821	Ayangba	89	1517	Lamchalgmenta	- 8
910	Ningloucheng		1529	Nongyilphulu	9
949	Erpal ist Thats		1529	Kapomba	17
973	Yanglao kai phamba		154G	Tangehombu	4
981	Eerengba	. 89	1550	Challamba announcement	17
1070	Laiyamba	86	1567	Musyyamba	2.5
1120	Loitougha		1602	Klaskemba	65
1150	Munyairalba		1657	Kkulekouba	14
1170	Eiwalthaba		1671	Pukhombs	31

These dates are confirmed by coins in Marsden's Num. Or, and others in Captain Jenkins' collection.

MARIRAJAS OF MADURA.

4.00	Ter		100		men.
1702	Charkirongba	13	1766	Gource Sham	. 1
1714	Parahaiba - Gharibnawka, or		2767	Java Binha	31
	Garmani Raja, or Myang-	_	1798	Robin chandra	3
	guumba	79	1801	Moda cheadra	8
1758	Khakhilaithába, ar Oogat	71	1806	Charjit Sinha	6
	Shah	2)	1512	Marjit Sinha, expelled by	
1756	Mingthockhousbs - Dharat	V.)		Barmas, 1819.	
	Shah	2)	1824	Gembhir Siobs, brother, re-	
1758	Gourt ShAm Maramba	6		gained possession.	
1764	Chingthamekhomba, or Java	-	1834	Kirti Sinhs, a minor, son of	
7-24	Sinha, Nenguangkhemba.	2		ditto.	

Tancu XI.—The Narapati, or Shelan Dynasty of Karnata, Drawira, and the southern portion of the Penineula. Tounty-seven Rajas, reigned 534 years.

(Contemporary with the Gajapati and Azvapati. Dynasties; from a MS. translated by Husbanan.)

	Annual Property		
266 ? Utinga Shelan, reigned Culatunga Shelan Hajendra Shelan Tiramadi Canda Shelan Carical Shelan Arundavan Shelan Vottyuru Shelan Shelan Manalinda Shelan Mavaculi Canda Shelan Vakula Shelan Shelan Tiraveratu Shelan	16 - 71 - 15 - 15 - 17 - 18 - 18 - 18 - 18 - 18	Arlesma Cadamai Canda Sho- lan, raigned Jayam Canda Sholan Karinel Canda Sholan Tondaman Sholan Bahdam Cattam Sholan Ghingei Cenda Sholan Ghingei Cenda Sholan Sanira Pandia Sholan Pottapa Sholan Shisera Vallanda Sholan Dera Sholan Shayanahatii Sholan Vira Sholan	62 12 20 12 4A 11 31 40 24 14 10 15 30
A fire two fire to the fire to			and the sales

800 / Shayangara Sholan, 24 years; the MS. makes the final date a.p. 258.

After the overthrow of the Narapati dynasty, Karnata and Dravira seem to have been separated from the scattern districts, in which the Chera, Chola, and Pandara lines were at first united under one novereignty.

THEREFOR MAIL RAIAS OF MADURA, TARRORE, AND COMMETORS, RESERVED 239 TRADE.

Ddismars, reigned	IS I	43.	Sei Devanitha, reigned	B8
Joya deva	19		Malik Arjana	18
Ganga dira	31		Mahik mates	16
Vama deva Terupulinda	15	950	Caindrabuti	9
Pattavima	48			

After which follow the Beliah Bajas of the Karnista, and the petty Polygér dynasties of Madure, etc.

¹ During this dynasty the palace of Madera is supposed to have been erected.

TABLE XLI.—Beldl Rejus of the Karneta. Capital, Decarasamudra.

Nine Princes governed above the Chats 68 years, and afterwards below the Ghats 111 years."-(Buchaman, "Mysors," vol. iii. p. 112.)

984 1043 1073 1174 1140	MACKENZIN'S NA. Hayamla Belála váya. Vinádítya Belála. Yarsyánga Belála. Vicána Verddhana Belála. Vijaya Narsalaha Belála.	1016	Rija Reliis libra, reigned 18 Vira R. R. 11 Chiens B. R. 22 Deva B. R. 14 Viologa verti B. R. 28	i
1188 1253 1249 1268	Vira Belalu. Vira Narasinha deva. Vira Semasawara. Vira Narasinha, taken by the Mahammahan, and his expital destroyed in 1810-11		Hari B. R. 19 Imedi B. R. 17 Visia B. R. 16 Buen B. R. 22 China Buen B. B. 8	

TABLE A.

Mr. Walter Elliot, of the Madres Civil Service, some years ago (1836) contributed to the ' Jour. Roy, As. Soc.' an elaborate resume of a series of no less than 595 Hladó inscriptions, collected chiefly in the Southern Mahratta country, or the district of Dharwa; in the western part of the Ninam's territories; in Mysere, the Mangalore collectorate, etc. In due preface to his table of results derived from these especially authentic documents, I prefix an outline of his supplementary remarks which more properly form an introduction to the inscribed genealogies of the leading race :--]

This [the Chalukya] is the oldest race of which we find estimatory mention made in the reserds of the Dekkan; they were to have belonged to the great tribe that, under the general same of Bajputa, exercised dominion over the whole of the Northern and Central India. The manus enterior to Teilage deva (Saka 895) are given on the faith of two inscriptions," which profess to be taken from older inscriptions on suppor-plates than extant," supported by confirmatory evidence of a like nature. 'From those authorities we lorm that Jaya Sinha claims to be descended from ancestors previously enjoying reyal power, of whom 50 reigned in Avodyapura and other places in the North, or in Hindustra. then described as reigning after him in the Dokkan, . . . but previous to them, two other families or ruces had possessed it, the Karian and the Battas, the latter of whom were overthrown by Jaya Sinha, who defeated and destroyed Krishna, the Ratta Haja."

- 1. Jaya Sinha.
- 2. Raja Sinha, Rosa Rayaha,
- Pulukon (Shku-411) ²
 Kirttkivurma.
- 5. Mangalisa.
- 6. Satva Sri (eventually a family danignation) son of No. 4, Sake 488.
- 7. Amore.
- 8. Addrya versea,
- 9. Vikramaditya (promiou Saka 515).

- Vinnyaditya, Tielhe Molla.
 Vitayaditya (accession Saka 617).
 Vikramaditya (occession Saka 635).
- (1) At Ye-ur, in the Nizum's Territory, No. 4 of Vikram. II. (2) At Handurki in Toudur, No. 141 of Vikram II.
 - See also Bombey Jour.' ii. 6: Pulakeni's father is also entitled Kirti Varma.
 See also Major La-Grand Jucob's grant of this monarch, dated S. 627 (a.p. 706).

"No records have been obtained of any of the succeeding names in the list, till the time of Teila."

Reverting to the original text, Mr. Elliot is found introducing his more especial series of documents in the following words :-]

The inscriptions so arranged are found to relate to four dynasties of princes, reigning over the greater portion of that part of India now denominated the Dakshana, or Dekkan, but at that time Kentela-dess. The expital was first Kalyan (in the Mahammadan province of Kalbarga), and subsequently Devageri, now the modern uity of Dowlatabad. The limits of this kingdom appear to have been the Normada on the N , the occun on the W.; the line formed by the Kanarese language on the S.E.; and on the S.W. they would include the provinces of Nuggar or Bidnur, and of Sunda. . . . The castern boundary I have not been able to ascertain, but it is probable that it did not extend beyond the Ghats, under which lay the kingdoms of Kalinga and Andhra.

1.000	HALL	AYA	DYNA	STY.

2. Satys Sri, or Irivi Bhujanga dava 3. Vikramaditya I. or Vithia Vikram 4. Jaya Sinha dava 5. Somewara dava I. 6. Somewara dava II. or Sayi or Savi-dava 7. Vikramahiliya II or Kali Vikram or Permadi rays Tribburana Malla 9	96 19 30? 407 627 91? 98
3. Vikramaditya I. or Vibla Vikram 4. Jaya Sinha deva 5. Someswara deva II. or Seyl or Seyl-deva. 7. Vikramaditya II or Kali Vikram or Permadi 7. Vikramaditya II or Kali Vikram or Permadi 8. Someswara deva III. 9. Iribburens Malla 10. Teilapa deva II. or Nurmadi Teilap 11. Someswara deva IV. 12. Vijala deva or Bijala 13. Morari Seyl deva, or Vira Vijala or Semanwara Malla 14. Sankama deva 15. Vira Bellala 16. Vira Bellala 16. Vira Bellala 17. Vikramaditya I. or Nurmadi Teilap 18. Demokra Malla 19. Tribburens Malla 10. Tribburens Malla 11. II.—Lalaburens sa Kalacaswa Dynasiv, 12. Vijala deva or Bijala 13. Morari Seyl deva, or Vira Vijala or Semanwara deva 14. Sankama deva 15. Vira Bellala 16. Vira Bellala	807 607 627 917 98
5. Someware deva I. 6. Someware deva II. or Seyl or Seri-deva. 7. Vikramabilitya II or Kali Vikram or Permadi raya 8. Someware deva III. 9. Jagadeka Malla 10. Teilapa deva III. 10. Teilapa deva II. or Nurmadi Teilap 11. Someware deva IV. 12. Vijala deva or Bijala 13. Morari Seri deva, or Vira Vijala or Semanware Malla 14. Sankama deva 15. Vira Bellala 16. Vira Bellala 16. Vira Bellala	407 687 917 98 40
5. Someware deva I	687 917 98 40
5. Someware deva II. or Seyi or Sevi-deva. 7. Vikramabilitya III or Kali Vikram or Permadi raya 8. Someware deva III. 9. Jagasiska Malla 10 10. Teilapa deva III. or Nurmadi Teilap 10 11. Someware deva IV. 12. Vijala deva or Bijala 10 13. Morari Sevi deva, or Vira Vijala or Semanura Malla 10 14. Sankama deva 11 15. Vira Bellala 10 16. Vira Bellala 10 17. Teilakus Malla 10 18. Sankama deva 10 19. Teilakus Malla 10 10. Teilakus Malla 10 11. Someware Malla 10 11. Someware Malla 10 12. Vijala deva or Bijala 10 13. Morari Sevi deva, or Vira Vijala or Semanura Malla 10 14. Sankama deva 11 15. Vira Bellala 10 16. Vira Bellala 10 17. Teilakus Malla 10 18. Sankama deva 11 18. Sankama deva 11 19. Teilakus Malla 10 19. Teilakus Malla 10 10. Teilakus Malla 10 10. Teilakus Malla 10 11. Teilakus Malla 10 12. Teilakus Malla 10 13. Morari Seva deva 10 14. Sankama deva 10 15. Vira Bellala	91.9 98 40
6. Somesware deva II. or Seyi or Seri-deva 7. Vikrambilitya II or Kali Vikram or Fermadi rays	98
8. Somesware deve III. Besletz Mella 10 9. Jagedeks Mella 10 10. Teilapa deva III. or Nurmadi Teilap 10 11. Somesware deva IV. Tribinyana Malla 10 11. Somesware deva IV. Tribinyana Malla 11 12. Vijala deva or Bijala 11 13. Morari Savi deva, or Vira Vijala ar Somesware deva 10 14. Sankama deva 11 15. Vira Bellala 10 16. Vira Bellala 11 16. Vira Bellala 11 17. Tabaya Dynasty of Dware Resource. 11	40
8. Somesware dove III. 9. Jagudela Mella 10 10. Teilapa dove III. or Normadi Teilap 10 11. Somesware dove IV. Tribbayama Malla 10 11. Somesware dove IV. Tribbayama Malla 11 12. Vijala dove or Bijala 11 13. Morari Sovi dove, or Vira Vijala or Somesware Malla 10 14. Sankama dove 11 15. Vira Bellala 10 16. Vira Bellala 11 16. Vira Bellala 11 16. Vira Bellala 11 17. Tabaya Dynasty of Dware Resource 11	-
10. Teilapa dava II. or Normadi Teilap	50.
11. Somewars dava IV. Tribhuvana Malla	
11. Bomewara dava IV. Tribhuvana Malla 11 (I.—Ealabauma na Kalaumana Dynasiv. 12. Vijala dovu or Bijala Tribhuvana Malla 10 13. Morari Sovi dava, or Vira Vijala or Soma- wara dava Blumeka Malla 10 14. Sankama dovu Abawa Malla 10 15. Vira Bellala 11	72
12. Vijala dova or Bijala Tribhavana Malla	40
12. Vijala dovu or Bijala	
13. Morari Savi deva, or Vira Vijala ar Sema- wara deva	
16. Vira Bellala	78
16. Vira Bellala	17
16. Vira Bellala	86
	(3)
The Assessment and the second	10
TV YADAYA DYRASTY OF DEVADIRE.	
17. 1. Ballam deva	la-
18, 2. Jayatuga deva	6
19. 3. Simhans days	12
20. 4. Kandarae deva or Kanera deva	0
21. 6. Maha deva	12
22. 6. Hampehandra	13
23. 7. Shankar deva 12: Jour. Roy. As. Soc.', vol. iv. p. 4.	12

Bombay Jour.' iii. 203. The geneslegy of the family is here somewhat differently stated: 3. Pulakest; 4. Kirthivarma; 5. Satykaraya; 5. Chandraditya; 9. Vikramhditya (brother of 5); 10. Vinayaditya; 11. Vijayaditya; 12. Vikramhditya.

' The Khārepātan inscription ('Bombay Jour.' i. 209) describes Satya Sri sa reigning in the Saka year 930 (a.b. 1098). See also Major G. Le-Grand Jmob's Copper-plate Charters ('Bombay Jour.' iv. 97) dated S. 855 (a.b. 985).

TABLE B.

I also annex Mr. Wathen's summary of the Chalakya dynasty of the South, the materials for which have also been derived from the authentic sources of inscribed copper-plate grants of land, etc. :-]

THE CHALUSYA DEMANT OF THE SOUTH (CAPITAL, BUATAPIPURA).

1. Javasinha Vallabha i. Japadelmalle, (Soka 371 7 a.m. 450) 're-estab-lishes' the Cublickya kingdom

2. Rana-ràga (Sàlis 391 3 a.m. 470)

 Pulukesi, Satyawaya (Inscription Jour. Roy. As. Soc. vol. v. p. 454) (Shka 411, A.D. 499). 4. Kiti-varues (conquered Naldrong or

Beder) ' conquest over the Mainya and Kolamba princes."

5. Mangalina, Sulyaeroyo.

6 Nammeri.

7. Aditya varma. 8. Vikramaditya I. B. Yddlas-pusha.

10. Vijaylditya. 11. Vikramaditya 11. 12 Koti-varma II.

13. Tailn-bhúpatí (Herolutions, etc.).
14. Bhíma,

15. Kett-varma III.

Apimāņu (restores Chālukya power).
 Vikramādītya III. Sutycisraup.

18. Tnila-bhépa II. (conquers 'Biolitrakeita Rajne of Hankstambha (Chandail, in Berar) and Karkara').

19. Butyheraya.

30. Jayasinha II. (1)

21. Data-varias

22. Jugudeka Malla. (2)

25. Jayminha III. sutified Sei-Prithiel, Fallabha Makarijiilhirijo, Pura-munora, Purama-khutaraka, Satpairings, etc., conquers Panchadrumfu-nagara, the capital of the Chola king, and mutes the doministra of the seven Rhjas of the Konkana —Inscription dated Saka 046, A.S. 1025 ('Jour. Roy, As. Soc.' vol B. 280).

Mr. Wathen's other grants may be briefly recapitulated as follows:

1. Saka 894, a.o. 978. Kakks or Kakkala ra's entitled Amegha-versha; capitel Mankhers in the Hydershad ovuntry. See also Bombay Jour. vol. i. p. 211, grant dated Saks 930.

3. and 4. Hake 945 and 980, Silkes, Bligton, or Silkhire family present a series of eight or ains princes communing with Kapard (since 1900) who claim to rule over

the Konkan.

6. Saka 1102. Sri Muta-Apurtolitya-Rhya, Konkunz.

Sálos 1127. Five local Silárs chias enumerated.
 Sáka 1182. Grant by a rainister of a king of the Chhinkyn race.

9 10 Sika 1212 and 1194 Yudova family, under Rhma Coundra Deva of Devaravati.

Tanta XLIL-Adora Rajas of Tuluca, Andhra, or Telingina. Capital Woragalli or Warmool.

Nineteen Adeva Rhjas reigned 870 years [211 years?) supposed to be the eighteen princes of Andhra descent, prior to Pentiga Rudes.

Tribhurana Malla Raja, of Warangolia.

A.B. A.D. Polt Rhju his sen.

1084. 1167 Pruthou rooms built a temple.

East boundary the musbone; Sri Sails bills (South of Hydrabad);

West, Vakstaka country; North, Mountains N. of Godavery.—J.P.

I [See grent of Govinda Rhju Rishtrs-lutz, dated Suka 730, a.p. 808. 'Jour. Roy. As. Sec.' vol. v. p. 350, and the still earlier document of Danti Durga, Saka 675, a.p. 733.]
I [See also Markennie collection, introduction, cxv.] 675, A.D. 753.7 I Also Saka 239. 'An flen.' vol. 1; and Saka 1113. 'Trans. Lit. Soc. Bombay,'

* Sasanam from a temple at Warangell. rol iti.]

800?	Bri Rangs A.B. reigned. Vira Narayana A. R. Wobala, A. B. Sirarayanagada A. B. Pirangei Endia A. B. Canda Gopala A. B. Narasiaha A. B. Candall A. B. Bacan A. B.	21 22 15 32 13	Narasinha A. R. Duia A. R. Sri Pandia A. R. Vasu deva A. R. Sicie Virindi A. R. Cutia deva A. R. Raja vista Bujinga Salica Nicriyana A. R. Prithiyadi Hacubera Sadicun	12 15 14 12 10
1167	Vira Narusinka A. B	12 54, mde	Andrew and Control of the Control of	. 3

The Micchins (Muhammakans) followed, and Pratispa Rudra; whose officers, Hucra and Bucca, raised the Vilyanagur dynasty; the list of which, in Buchanan, vol. iii, p. 476, differs essentially from that given by inscriptions.

TABLE XLIII .- Rajas of Chola (Chola-mandelour, Coromandel).

(Including the country new called the Karnetic below the Ghate, had Tanjere, Capitals, in Ptolemy's time, Arcot; then Wariur, near Trichinopoly; next, Kumbhahona, and lastly, Tanjere.)—Wilson's Mackentie MSS.

700-1000 Kulottenga-others say 2000 B.C. OF 500 A.B., OF 1300 A.D.; built temple at Tangapur, or Tanjore. Dovs Chola. Samekhara. Siva lingu. 918/ Viru chola. 1100 / Keri kals, perseenter of Ramanuja. Bhims. 866 } Rhjurhjendra, subdued various countries. Vira martanda. Kirttivardhana. Vijaya.

Kalekala, killed a Brahman.
Kalekala,
Kalykan,
Hadra.
Hadra.
Hadra Chola | last according to
some accounts.
Kalekturara Chola - last according

Existence Cods—last according to others, married his daughter to 48th Pandyan prince, who succeeded

An illegitimate son (Nanda†) founded the Tonda Mandalam (Conjeverum)—also annexed to Pandya kingdom.

Table XLIV.—Rájas of Chers or Konga (comprehending Salem and Coimbelore.)

'The Kongadess Rhia kal enumerates twenty-siz princes.'-Mackenzie's MSS.

Vira rāya. Govinda rāya. Krishņa rāya. Kalivallahha. Govinda II. Chaturbhaja. Kumāra deva. Trivikrama deva. Kongazi vermā. Madhava vermi.
Hari varmi.
Vishyagopa.
Krishya varmi.
Dindikara.
Durvaniti.
Pushkara.
Trivikrama.
Bhūvikrama.

¹ Wilson, 'Jour. Boy. As. Soc.', vol. iii. p. 119; Dowson, God, vol. viii. p. 1.

Kongani Mahādhirāja. Govinda III. Sivaga. Peithivi Kongani Mahādhirāya. Rāja deva.

Malie deva. Gunds deva. a.n. Satya vrkkya deva. 894 Guntama deva, subdued by the

Chois Raja, from whose desemdants it passed to the Belai Rajas of Maisur, and thence to the Vijayamgur deminiou.

SARSON TAMBA-PATRA

Dated Saka 734-512 a.m. 'Jour. As Sec. Beng.,' vol. viii., p. 292. (Lateswara' kingdom; capital, Elapor.)

1 Goriada Rája. 2 Karka. 3 Krishoa. 4 Dhruya. d Governda II. d Indra. 7 Karks.]

TABLE XLV .- Pandyan Dynasty of Madara.

Tradition sarribes seventy-four princes, of whom thirty-nine names are extant.

Kulottunga, 2000 n.c. i Anantagons. Kalahh@abana. Rajendra Pandya. Rajouwara. Gambhira Vanaapradipaka. Purubutajit. Pandya Vamsapataks. Sundaryswitzs. Padasekhara. Veraguus, united Clesia Tonda to Madura Rajendru. dugues. Chiteseutha. Chitenbhushana. Chites dhvaja. Chitza versus. Chitrosens. Chitravakroma.

U-huntu. Raja Charlemani. Raja Sardula. Kalastungs. Yodhina pravira. Rhya Kunyara. Ra a Bhayankara Cersura Muhhisten. Satraniaya. Ellermara be. Hhimmanhkruma. Pretapa Micranda. Vikrama Kunjuka. Yuddba Kotahala. Atula Vikruma. Atula Kirtti. Kartivibhashana. Variantikhara, founded the Muduss College: Vamuscharionani.

Nayak Dynasty—founded by Naguera Nayak, an officer of Krishna Raya of Vijayanager, fourteen princes.

1536 Viswanath.
Krishnapa.
Virapa.
Virapa.
Virapa.
Kumara Krishnapa.
Kasturi Ranjapa.
Mutu Krishnapa.
Virapa; died 1623.
1623 Terussala, or, Trimal, 1663.
1663 Muta virapa.

Chokanith; died 1687. 1687 Krohns mutu Virapa. 1606 Vijaya ranga, under regency of Mangamal.

731 Vijaya Kumāra, do. of Minakshi rāni. Fort seized by Mnhaszudare, und Mādura beeame tributary to Nowah of Carnetie, and afterwards to the British.

Supposed to be Kongades by Mr. H. T. Princep. See also Wilson's Mackennie MS., p. 198.

Table XIVI .- Rajes of Vijayanagar.

From history, inscriptious, and family genealogy, (see 'As. Res.', vol. xx.) The latter authority, in the usual manner, deduces a direct line from Pandu, of the lunar dynasty, imperfectly following the Pauranie lists to Chandrabija, the last of the Magadha rides; to whom succeeds,

Dept

A.B. Матги. Nunda. Bhutanandi. Nandili, who has two tons, Sechunandi amb Yashanundi, whose fourteen some, ruling over Bylomdosb, are dispersed by two invaders, Amitraand Deresitra; and seven fied to Andhendona, or Telinguna, where 1034 Nanda, maharaja, erseted a kingdom, and founded Nandapur and Warningol. Chalik Raja. 1075 1118 Vijaya Raja; founded Vijayamagar. 11/58 Vinnala roa. 1183 Nurueinha deva. 1249 Rama deva. Bhops rays, died without issue, 1274 1334 Bukks, we of a mulgishauring Rhia, mined to the throne of the Dakhan by Valyaranya, his gara. 1367 Havibara run. 1391 Devu ruo. 1414 Vijaya rus. Pundam dova rao, deposed by 1424 Sci Ranga Raja of Kaliandring. 1450 Rame chandre ree, ton of Sri

Vira nararasonha raja. Achrysta rac. 1524 Krishus dava; extended his sway to Gujerat, etc. Rama Raja, killed in invasion of Nickm Shikk, and I'mid ul malk. 1565 Bri lianga Baja. Trimala Raja. Vira yangat pati. Sri Hanga II HARadeva rao. Venkatapati rao. Trimela rao. Elenadova ruo: Sei Range cao.

Venketapati; invaded by the Meghois and fied to Chandragirl. Rama sas ; recovered a portion

ed territory. Hera Dite. 1863

4704 Chak Das, his brother.

1721 Chims Dia. 5734 Blams rava.

Gopale roo, son of Chak Das.

1741 Vankatapati. 1754 Trimala ran

Sultan Khan took the country in the name of Tipe; and with Vira Venkatapati Rama rays, the dynasty became extines, A.D. 1829.

TABLE XIVII .- Rajas of Maisur (Mohenhaper or Mysore.)

Their genealogy is traced from the Yoda line of Chandravands .- Mackenzie MSS.

A.D. Betta Vadiyar.

Ranga

1473 Narasinha cao.

Chamersia Vadiyar, son of Yadu. Timmersia Vadiyar, son of Berta. Hiriya Chemerasa Vadiyar, his son. 1539

Bettatha Chamarasa Vadiyar, do., who had three sons,

1 Timmaraja Vadiyar,

2 Krishnaraja Vadiyar,

3 Bels Chamarasa Vadiyar; had two wives, Viryamus and Demayamus. 1600 ? Raja Vadiya, son of the former, took Sering spatson, 1610,

Bettada Chamarava Vuliyar.

Devappa raja Vadiyar, som of Demayanuma.

Names rāja Vadīyar, son of first wife of Rāja Vadīyar. Chasturaja Vadīyar, bis son

Imadi Raja Vadiyur, son of Baja Vadiyar's second wife.

1635 Kanthirao Narsa raja Vadiyar, aon of Bettada, acquired great power.

[Chimrayapadan inscrip. Bucur. Mysure. Doda Deva raja Vadiyar, son of Devappa, extended dominion N.W. Chikka Deva raja Vadiyar, his son, collected family history. 1.659

Kanthirne Narso raja Vadiyar, his san. 1704

1713 Krishna raja Vadiyar, do.

Chamaraja Vadiyar.

Chamaraja Vadiyar.

Imadi Krishna raja, sen of Krishna.

Kanja raja Vadiyar, his son.

Chamaraja Vadiyar, dethroned by Hyder Ali; Mysore destroyed.

Chamaraja Vadiyar, dethroned by Hyder Ali;

1796 Krishna raja Vadiyar, restored by the British.

TABLE XLVIII-Paligar Dynasty of Trichinapali,

Torumala Raya, of Achita tribs, in Tenni-velly, founded dynasty. Panchakhya Tondaka. Navana Choladhipa. Terumala Nriphlachandra Navasmeri. Paghanura pala. Namima.

Puchamahim.

Kinkluiputi. Tsudaka Nripati. Toronala Bhopa. Pulmapia. Raghmottles, an officer of Vijnya Raghava, of Tanjura. Teromale reya-Sri Vijoya Ilaghunith, conquered Chon-da Khito.

Nirvan rny appa.

TABLE XLIX .- Faligati Rajas of Vankategiri, or Kalimale.

From the Mackengie MSS.

Phialman votal. Damasaldu, aided in giving Pratiqua Rudra the throne of Warsaged Vanamnsidu. Yaradakshanaida. Sinha mansidu. Madan. Vedagiri naidu. Kumar madan. Sinham naida. Pada sinham. Chapita sinham. Anupota; extended sway to Krishna river. Sarva sinh. Dharmanaida, Timmanandu. Chiti daksha. Anapota. Madan. Sura Yachamanaid; founded Valaguti branch. Chenns Sinh, under Vijayanagar,

Kumara timena pandu Padskends midu. Padakonda midu II. Chempapa naidu. Venkaradri naida; whence name of plans. Raykph. Pennakondapa naidu. Vachama Kustura. 1600 Yacham naids, conquered as far as the Midura province. Padaynchem, Kumir yachma. Bengar vachem; murdered a.D. 1696, by Zulfikurkhan. Kumar yachem; died 1747. Bengar yachem, and Padayachem, 1776. 1984 Kumar yachem, adopted.

Bengur yachem; ditto.

Table L.-Indian Dynasties, according to Ferishtah, stated to be taken from Persian and Sansorit authorities.

The subjoined list seems to have been compiled by Prinsep from Dow's translation of Ferishtah ('History of Hindustan,' London, 1812), whose work, often most meritoriously exact in its rendering of the original, is at times quaintly interpolated with observations, which, though appearing by the context as Perishtah's, are in effect not to be found in his proper Persian version : under this category may be classed the dates pertaining to the ante-Muhammadan section of the Table under review. Dow's translation of this portion of the entire history labours under the additional disadvantage of baving been based upon manifestly imperfect MSS., which are now susceptible of correction and amphification from the excellent lithographed copy of the Persian text published at Bombay. I have introduced a few emendations and additions from that source; but in the process of the examination necessary to this end, I have been led to form a somewhat unfavourable impression of Ferishtah's knowledge, and his power or will to sift and elucidate the traditions he inserts regarding the early dynasties of India. I am fully prepared, however, to admit that there is much carious matter to be found in his introductory chapter, which, if we could but rely upon our authority or trace up his sources of knowledge, would be well worth the deliberate scrutiny of orientalists. I intentionally abstain from entering more fully into this subject, as I am sware that the late Sir H. M. Illiot has devoted much time and attention to the illustration of this fragmentary preface; and I trust that his observations on its merits may shortly see the light in the forthcoming posthumous edition of his works now under preparation by Mr. W. H. Morley.

(This list is meful for comparison with those already inserted.)

Mahkraj ; descended from Krishma (not the fabulous Brahmanical hero, but an ordinary mundane king of Hindstetan, reigning in Oudb).

Paridán; first invasion of India, Malahand reigned in Malwa.

1429 Kosvarija, sen of Maharij, invades Ceylon and reduces the Dakhan with the Manderhya, built Mande.

1209 Peroz-ral, son of Kesvarkia, recovers the provinces on the Indus previously ceded to Persia.

1072 Rustam of Persia establishes Scoraja dynasty at Kansuj, where worship of sun is introduced. (Dynasty survives 286 years?)

786 Barnja (36 years).

Kaidar, a Brahman; tributary to Persia (19 years).

781 (died) Shunkal; built Lakemuti (Genr) in Bengal. Persian invarion under Peiranweise, and subsequently by Afroscab. Robata, see of Shunkal (dynasty reigns for 81 years after the doubl of Shunkal).

586 Maharaj, Kachawa Rajputs of Amber established (reigns 40 years, contemporary with Gusturp).

Keda raja. Rustum Dista, the Persian Governor of the coded Indian pro-vinces being dead, Keda raja reduces the countries on the India, and fixes his residence in the city of Bern; driven back by the Kabal mountaineers.

Jaya chand, his general - a funitus. 497

Danla, built Dibly. 437

397 Perus, of Kennen, usurped throns of Kanauj.

859 Porus II.; resisted Alexander's invusion.

330 Sinsar-chand (Sundmostrus)

260

Jem, and his line, reigned tranquilly 90 years. Kellán skand, a tyrant; kingdom of Kananj dismembered. 170

Vikramajit (died), reigned in Malwi and Gujarat; era established; anarchy 86 and confusion succeeded.

Raja Boga (Bloom), of the Tuar tribe.

- Basiles (Vasadeva), revived Kamanj dynasty; testemporary of Balentoper, 336 who married his daughter.
- 410 Randeo, of Bhater race, fixed in Marway; tributary to Feror Sussen. Civil wars, took Kanau) and Bengal, movied daughter of Sireray of Vijayanagar. 500
- Protati Chand, his general, of Seasdin tribe, refused tribute to Noshirvan. Anami dove reigned in Malva, built Mandil and Ramgir (stated to be contemperary of Khuard Purvin.

550 ! Maldro; assumed throng of Dikli, and Kananj curpirs divided."

Hispal, father of Juipal, Rhips of Labore, invaded by Subsktight and by Mahmud. 1177 Anundpal suspends, defeated by Mahmid-1000

1012

Bushers (Vijaya ray) of Bluttis, invaded by Makoudd, a. s. 393.

Prithirappat (Jaipal II. F) of Bibli and Labous, find to Ajmir.

Korra (Kunwar ray - Kumarapal) king of Kanenj, surrendered to Makoudd,
in whose time the country was divided one principalities. 1010 Hardet, raja of Merat. Chandpal or Calebandra, raja of Mathura.

Jundray !- Sanda cay of Kalinjar.

Januarettan ! raje of Ajmir. 1022

Byramdso (Beslima devo), of Gujarkt deposed; and Sumnith temple plup-1024 dered.

Dahlaslimo (Salla deva) enthropol in his stead. 1025

Daipal, governor of Souper, forty miles from Dikli on road to Likhar; in Sewhile, Ram ray, another chief. 1035

Daipal, king of Dildt, with other cajas, retake Honel, Tansever, etc., from 1043 Modood Ghiznava

Balin, of Labor; book Nagor in Sowalik; opact by Bairum Shah, 1118

Candi (Chawani) Rat of Dib(t) defeated Makammad Chori. Pitter Rai of Ajmir, 1192

Hindú confederacy of 150 rajus defeated by ditto. 1100

Jay Chand, of Kansuj, defeated. Bemraj, of Apair, expelled Pithiray's see. Bhimdeva, of Gujarat: Georgian sections, under Muhammed. Suhir deva of Narvar (Patha) defeated by Mahmud II.

1215

Uday-na, tributary raja of Jalwar. Raja Dowbol, of Gwallier, reduced. 1231 Dilleki and Milleki rajos, of Kalinjar. 1246

Diepal, raja of Sitner, raised rebellion in Sind. 1265

See extracte from Albirani, vol. i., p. 314.]

[&]quot;[Dow's English text says, "The Hindoos retain such a respect for the memory of Biker-Majir, that most of them to this day recken their time from his death, which happened in the 89th year of the Christian era, vol. i. p. 11. Ferishtah himself, in the Persian original, indicates this date as corresponding (at the time he was writing, a.m. 1015,) with the Hindu recketting of 1662.]

Wilford names this king Sadapala, or Sadasvapala. 'As, Res.', vol. ix. p. 211.

1291 Raja of Rintinpur besleged by Ferur. 1294 Ramdeo, raju of Deogir (Dunlatabled)

Shankuldee, his see, married Dewal devi, daughter of Ray Karan, of Nehrwala, Gujarat; his wife, Kamia devi-

1304

Bhima deo, rája of Rinainbhore.

Hambra deo (Hambra), his sen, horioged by A'lh.

Koka, rája of Malwa, arcressner by Ein of mulk.

Nehr Deo, of Jálwar, surrendered to ditto.

Ray Ratan Sen, of Chitne, occuped from A'lh's comp.

his nephew confirmed in that principality. 1808 Situl dee, raja of Sewama.

Laddar dzo, rāja se Warangol, made tributary. Bilal dzo, of Karnāta, resists Tughlak 1338, founds Vijayanagar. 1309

1318

Harpal dec, son-in-law of Ram dec, flayed. Nag nak, Koly chief of Kondhana .- From Ray, of Gujaraf. 1340 1347 Man deu, raja of Bugiana - Krishna ray of Vijayanagar. 1289 Ray Sarvar, rayrayan, of Bohar.-Vicack ray of Telingana Marsinh Bhan of Gwaller, Eshtor chief. - Naminh of Kehrla. Brahma dee, son of ditte, repelled Timer at Gwaller. Rey Davood, and Hobbso of Toolumba. 1391

1402 1406

1425

Ray Bhoom of Jummo.—Deva ray, of Vijayanagar.
Portih Sinh of Pafiala and Kampela. 1432 Nareinh, his son.
Prithivy ray and Karaa ray.—Baim ray of Condapilly.
Amber ray and Mangal ray of Oriana, 1470.

Gustior raya resisted Lock.

Sangat Sinh, expelled from Ethwa.—Siva ray of Vijayanagar.

Man Sinh of Continual Conti 1440 1452

1471

1478

1490

Man Sinh, of Gwaller, reserves dress of hunor. Vikramajii, his see, killed by Bkhar, 1926, and Gwaller reduced after 100 1618 years' independence.

Scha dee, right of Katra. 1491

Balbhadra ray, of Kootumba, near Chuner. Narsink my, his son. Salivahana, raja of Panuk. 1493

1501 Vinnik dea, of Dholpere, 1528 Man Sinh, raja of Gwallor.

1533 Rann Sanks, of Chiter (Sangrama Sinh) - finally reduced by Akbar, 1570. Rawel dec of Hugur. Medny this of Chandery. Monik chand and others killed.

Maidon, of Nagore and Ajmir, most powerful raja. Harkrishna ray, of Roths - killed by Shir Shish. 1540 1542

1554

Ramchandra, raja of Panna and Kalisijar. Historic usurps the throne of Dihli-battle of Panipat Ram-Sa, a descendent of Man Sinh. 1556

Jugmul and Devi Din, rajin of Marwhr, yield to Akbar. 1567 Ujnya Sinha, of Udipur Surjan say of Emandbore.

Chandra Sen, we of Maldeo of Ajmir. 1579 Hay Scub, appointed to Jodhpur by Akbar. 1586 his daughter married to Selim Mirra-

Tante I.I .- Mahratla Governments.1

L-PARTEY OF SIVARI, MAJAS OF SATTABLE

Shahji, a Subahdar of the Karnatic under Aurungzih, bestowe jagire on his sons-Tanjere on Ekoji-dies 1664,

Sivaji, his san, commences predatory expeditions. plunders Surat, and assumes title of raja-

The origin of Sivaji is traced in the chronicles of Meway to Ajaya Sink rans of Chitor, 1300 (T. I. 289), thus : Ajayasi, Sujunsi, Dulcopi, Scoji, Ilhocaji, Deoraj, Oogursén, Maholji, Khaikoji, Junkoji, Sattaoji, Sambaji, Sivaji, Sambaji, Rimraja, naurpation of the Poshwis.

- Sivaji establishes a military progressed-dits 1680, April. 1569 Raja Rion, sot up by menater - impresented at Raigarh 11150 Sanibhaji, assumed the savereignty-executed at Talapur, August, 1680. Santa, marpal parer-marked 1668. 1/189 Raja Ram, again predicted at Satters, died 1700. Their Reg. his wife, assumed regions - incursions into Behir.
 Sinaji II., son of Sambles, michanish Susaji, released on Aurangell's thath,
 and environd at Sattana, March 1768—give mad. 1700 1707 Rism High, mentical surveyer -- power rooting with numerics or Positive. 1740-Partials Siver, or Sinds, re-constanted at Settern by British, April 11. 1816 TL-SERVICENCE PRODUCE OF PURL 1740 Bhihjt Bhjt Hao, surcoids his father-dies after name of Piniput. Madbuil Bas Bolál, second son, invested as nominal Podevá, micle Baghu-1701 with regent. Name Parmaria, his thirkun—dies November 1771. Namayan Bass, y sungrest sees of Bilday, mordered. 1773 Rightmuth Ran (Righles), newpol. Midfinereo Nariyan, posthumezo sen ed Nariyan (Nana P. in power), com-milled sure de 1795. 1774 Bağı Kan, provisive Muself; es takın be Sindio. Onlundif, furtively invested at Puns, with May. 17165 Days Ram, publicly proclaimed, 1th December 1819 - surrepdess to and ponoused by the English, 2rd June. THE RESTREAS PARTY BEAUTISE. Region) Blancia, menindrel / Sées Salait Salai, se general in Marbatta 1784 anafodetmy. precions named of Boths from Pethwa, dicc 1742. 1750 1700 Jumps, oldest ure, indepted too neglicor-Hagings, oldest our of Mallags, recovered by Macheran in farmer of Saluis (the entire), hilled in action more after by Musias.

 Parsigi, succeeded his father, Region; as idea; strongled by Musias (Appn Saluis), acknowled out by English; deposed 1817-18.

 May. Guerne, grandom of Regions, would be measured by stitle. 1772 1774 1816 1318. IV .- THE SINGLE VANILY, THEN A VILLAGE DEAD SATARA, NOW GWALION HATAN. 1724 Rampi Simila, an officer in the Penhwil's army. Jyapa, manacoled to his father's piggs of half of Midwi, mardered 1769. 1760 Distrajt, notoned use of Rusenja, engraved in the Panjab ware. Michilder, third, illegitioner, and could be jugic by Madherne, died 1794.
 Doubt von, his grand nephron, adopted; Sand his camp at Gwalier, 1817.
 Enim Mir, his widow, adopted Jankop, and acted as regard. 1794 1825 1833 Junkaris, more most the rains of government. V .- THE HULKAR PARTY. 1724 Mulhir Rac Holker, a Sudes, an officer of note in the Peshwi's army, Mail Bao, grandion, exceeded under regency of 17.50 1707 Abilya Bit, his mether, but died soon after. Tukaji Hulkar (no relation), appointed to commend of troops. 1797 Yeswant Bas Heikan, illegitimate our, maintained produtory rule. 1905 contened in page of Index, etc., died tames. Total Rat, widow, adopted his illustranste child, Mulhar line Helkar; busile of Mchadpur, December, 1818 Martand Ras, adopted on, disposessed by THE 1834 liari Helkar, present chief, VI. - GAIRWAR VAMMY - NOW MERCETTO AT BANGDA, GIVARAT.
- 1720 Dammaji Gnikwir (Shamsher Febbler), officer under Khand (tao Hulkar.
- 1731 Pilaji Baikwar, sominated Some Klue Khill; murdered.

1732

Dammaji, son, occupied cast of Gujarkt, died 1768. Govind Rao, second son, succeeded; but eldert, Syaji, an idiot, supported by Fatili Sonk, youngest, who held real power at Buroda. 1768

1771

Mannaji Rao, assumed charge of Syaji, as regent; died 1793. Govind Ean, made regent 19th December, died September, 1800. 1790 1793 1600 Ananda Rao, eldest son; disputes with Mulhier and Kanhagi-

1805 Trenty with the British Government.

Fatile Sink.

Table LIL -Sikh Government of Lakore.

4.30 1419 Nanak, founder of the Sikh sect, been.

Gura Anged, wrote some of the sacred books.

1552 Amera das, Khetri.

1574 Ram das, feastified Amritair,

Arjun Mal, compiled the 'Adi Granth' 1681

Har Govind, first warlike leader. 1006 1644

Har Ray, his grandsen. Har Krishna, died at Dibli. 1661

Tegh Behädur, put to death by Moslems. 1664

1675Guru Govind, remodelled the Sikh Government.

1709 Bandu, list of the encossion of Gurus; put to don'th by Anranguib. Predatory bands; jutarnal fonds.

Twelve misals or tribes of Sikha captured Lahore and occupied Panjah. Charat Sinh, of Sukhipska misal, died 1774. Maha Sinh, his son, extended his rule; died 1792.

1774 1792

his wife regent, with Lakput Nish minister. Hanjit Sinh (bern 1786), established Labore independency. 1805

BUDDHIST GENEALOGIES.

Table LIII .- Chinese and Japanese Chronology.

(From M. Klapcoth's trunslation, Paris, 1833). The Japanese extress are distinguished by the letter J.

Tu chen song wang. I are me wang-Year lo the wang. Kin lu wang.

Genealogy of Sakya, according to the Bauddha works of the Chinese.

Ni fimu lo wang-

form tru kie wang (Sams. Binkahikus-kahisna). Tuing fan wang, Suddeslana (and three brothers, Sans., Sukiodana Amitt-duna, and Dhetodama).

Si the to, nan the, Chykia (Sakya mani), been. B.c. 1027

Sakya becomes eminent in eighth year of Ajanasvara of Magadha. 999

Sakya ne Buddha (Fo), attains mirvana (diet). **B49**

868 Annn (Annada), second patriarch, dies. 833

A yu wang (J., A ik 6) (Sana., Asaka), dies. Changus he siere, third patriarch, dies. 806

Yeou pe kin to (J., On fa kik ta), fourth patriarch, dies. 741 692 This to kin (J., Dei ta ks), fifth patriorch, dies at Muthurh.

687

Wong chu, disciple of Sariputra. Commencement of Japanese momerchy. 650

Mi chn kis (J., Mi sia ka), sixth patriurch of Magacha, dies. Lao tan (J., Hò tan), founder of Tan tsu sect in Chins, dies. 637 604 Pho siu mi (I., Få siu mi), seventh patriarch, dies in N. India. 890

651

Confucius, born in the kingdom of Love.

500 arbans of Kashmir (ka site mi ra) preach the law.

Foe the nan ti (J., Boudz da nan dai) eighth patriaerh (Sans., Boudha-535 nandi) of Canara, dies.

- For the mi to (Suns., Bondhamita), winth patriarch, dies. 487
- His, tenth putwurch of Central India, dies 443
- Fo na ye the, eleventh patriarch of Palibothra, dies. 383
- Ma ming to san, twelfth patriarch (Suns., Asvagocha) of Benarce, dies. Kia pi mo lo, thirteenth patriarch of West India, dies. 327
- 254

COMMENCEMENT OF THE THIS EXPLANTS OF PRINTS.

- Loung chou, fourteenth patriarch of Control India, dies. 2010
- Kis na chi pho, ufberath patriarch of West India. 161
- Ke li mes the, makes an image of Mi le in India. 130
- 113 Lo heri to to, sixteenth patriarch of Repila, dies.
- Sang kis use the seventeenth patriarch, born at Chi lo fa, dies. Kin ye cho to, of Ma ti, sighteenth patriarch, dies. 74
- 13
- King him fetches Buddhist scriptures from the kingdom of Yue ti. Kieu me le te, of Ferglaina, nisotromth patriorch, dies.
- 221
 - Hindrin carry Buddhist seligion into June. 24-57
 - 65 Buildhism introduced at the Court of Ming ti, Emperor of China-
 - Tu ye to, twentieth patrimels of India, dies 74
 - 117 Pho more plant thron, twenty-first putriarch, dice.
 - Ma nau is, of Nati, twenty-second patriarch, dies. 164
 - He is us, of Forgham, twenty-third patrearch, dies. San ton pi khien, of Magadia, twenty-fourth patriarch, dies. The 'Prigna Pitramita' translated into Chinese. 200
 - 1100
- 266-313
 - Woo le tchho, of Khotan, translates the Fang kesseng king. 800
 - Pho cho seu to, of Ki pie or Calmi, twenty-fifth patriarch, dint. 325
 - Introduction of Buddhism into Kiedi (Cores). 372
 - Kissen our le sky, vettles in Chisse and translates "Makk Prajnt." Intraduction of Buddhism into Pe let (in Corse). 362
 - 364
 - Pour jou my to, twenty-sixth patriarch of India; this. 温用物
 - 399 Chy to him visits India to study
 - 407
 - Introduction of Buddhism into Titet, under Illate teri.
 - 414
 - Chy fa him returns to Chang ngun. Death of For for plu the lo, of Kapile visite, who translated the Houyan 420 king in China
 - Pan jo to lo (Projosi dhara) of S. I. India, twenty-accenth patriarch, dies. 407
 - 400 Pou thi ta mu (Bodh) dhorma), Iwenty-eighth patriarch of S. India, metiles in China as first putrierch of that country, dies in 400.
 - Sang kie pho lo, of Fou can, made chief of Chinese Buddhist temples by the Europeov Sinan von ti; dies in 525. 500
 - Introduction of Buddhism into Six Is or Sines (in Cores)... 528
 - Dieto inte Japan. 652
 - Death of Host kho ta szu, soomd patriarch of China-592
 - Seng lin to sau, third patriarch, dies. 606
- Youn bosing, mosmous of the Chain family, trovals in India and trans-622-646 lates muny hosks.
 - General introduction of Buildhism into Tibet, under Stong distant gampo. 632
 - 651 Death of Tao ton to see, fourth patriages of China.
 - Douth of Home jon ta see, fifth petriorch of China. 675
 - Ti phe ho le, pract of Magadha, visits China and translates books. 676
 - Ony chika non the, of Cabul, ditto, dies in 718. Host teng ta um, last patriorch of China, dos.
 - Pou knoog, a brahmen aramaon, visits China and translates the questions 732
 - of Manju Sri (Kin kang ting king) 814 (about) Plum jo, priest of Cabul, cettles in China and translates the 'Ross you king.'
 - 8.4 Phan jo, made Fa pac to szu, grand master of the tressure of religion.

The Chinese MS of the Bibliotheque du Rei' ende here .- M. Klaproth derives the continuation from other Chinese and Japanese authors.

TABLE LIV .- Buddhist Chronology of Tebet.

From the 'Vandarya Karpo,' written at Hissas in the year a.n. 1686. Translated in Cooms's 'Tibetan Grammar,' p. 181.

Birth of Shakya (Chombindia). 962 B.C.

The Khlo Chakra system taught by him; his death. The 'Mula Tuntra' compiled at Shambhala. 882

881 Death of Zis brang, king and author of ditto. Padma Sambhava horn. 679

875 Manju Ghosha born in China. 939

432

278

252 618

Nagarjuna born.

Rigs-tan-grags-ps, assembed the throne of Shambhala.

Nyan-tsun, king of Tibet (Thothers), died 271.

Doctrine of 'endeavouring perfection' upbaid.

Nam-gyal, king of Shambhala; speck of 103 years, called Makha gya-622 two, commenced.

627 Srong-team gam-ho born.

Kong-cho, a Chinese princess, arrived in Tibet.
Phroi-mang college, or Vihar, built at Lhause.
Khri sroug, king of Tibet.
Padma Sambhava arrived in Tibet; returned to India, 802. 639 651

738

747

A new astronomical period commenced. Languarma hern; abolished Buddhism, 800. 804 108 965 Kala Chakra system introduced into India.

971 Hesteration of Buddhism.

980 Atishs boru.

1002

Brom-ton, the teacher, born. Sol-may thang monadary frambed. Mekha gya-taho ora terminated. 1015 1924

Kala Chakra, or Jurian cycle, established in Tibet. 1025

1008 Milaraspa born.

1652 Lung villang pa bovo. Regreng college founded. Lo-dang shores, the translator. 1055

1057

1071 Monasteries of Sangphu and Shkya founded.

1077 Tagpo-lha-je boru.

Grathing monadery founded. Bas-chiung pa born. 1079

1052

Kun-gah-nying-po, the great Stakya Lama born ; died 1158. 1090

1108

Plag-me-grub-pa born. Period of 'deep meditation' commenced.

1118 Yuhrug pu bern. Slickys Sri born. 1125

Nyung, the prince, lorn. The That monustery founded, 1134 1106

The Tshal monestery founded. The Bri-gung monastery founded. 1173 1177

1170 The Stag-lung dates.

The great Stays pands been. 1189 1185 Gung-tang monastery founded.

1202 Shakya Sri, of Kashmir, arrived in Tibet.

Ter-tue Lame born. 1210

The Lang-tong momentery founded. The Byang and Der ditto. 1211

1223

Gro gon phagupa born, mastered Tibet 1251 The Chine-lung mountary founded. 1233 1253

1288 Bu-ton horn

1300

Ta-si-byung shhub-gyai tehan bors. Theg-chhen chhos gyal born ; became Tari (king) 1347. 1347

Thus thang mountery founded.

```
A.D. 1355
            Incarnation of Tung-khapa; died 1417.
     1383
            Thang-tong-gyal-po born.
     1389
             Ga-dan-grah-pa horn.
     1403
             Shes-call, the great interpreter, born-
     1407
             Yearly confession at Lhassa established by ditte.
     1414
             Karnia pa born ; Bras-pungs Viház founded.
             The Sera monastery founded.
     1447
             The Sang-mage-klear ditte-
     1419
            Dus-ababa-nor-caug-gys-take born.
The Nor menustary founded by the Sa-skyns.
     1431
     1427
            Ge-logs pal-dan succeeded to the Gal-dan chair.
     1429
     1433
            The Nalenda monastery was founded.
            The Chiah-do-byams-gling ditto.
Zua-lu-lugs-pa ensembed at Gal-dan.
The Pai-khor chaitya built.
     1435
     1436
     1457
     1439
            Letiava ehhos-kyong-nang-po bern.
            The 'Pod-kne hal lung,' work on Launtiena, etc., written.
     1445
             The Bran-yul mountery founded.
     1447
             Lagron surrended at Gal-dan
     1448
     1461
             Buso ditto.
            The Gong-ker Vilske founded
The first-dog-class ditto.
     1462
     1467
     1470
             The Byams-gling ditto.
             Logres-tan-ps succeeded at Gah-den; died 1473.
     1471
     1474
             Incarnation of Oh-dun gya-take i died 1840.
     1476
            The Tu-nag thinh stan-new gyal mountery founded.
             Mon-lam-pal automoded at Gab-dan
     1478
     1000
             Tabar chiesa born.
     1507
             The Chine-khor mountery founded.
             Khas grah pal gyi magi bora.
     1534
     1541
             Snod-name gra-tabo boyu ; died 1586,
                                 - invited by Althon than, a Mengel prince,
     1576
     1576
                                  built the Chlose klow-line momentery.
             You-tan gyu-lishe horn; died 1614.
     1587
             Nag-vaug lo rang gya-taha horn.
Period of 'merality' commences.
     1615
     1618
             Rigs-dats sengel, wareneds at Gab-day.
     1625
     1439
             Stan date oblice gyal, king of Tibet.
             Nag vang le rang conquered whole of Tibet.
     1640
                                founded the Putals (residence).
     1643
     1650
                                visited China:
            This Chronology compiled at Lhassu.
     1686
```

Tanza LV.—Kings of Telet, to the subdivision of the country in the tenth contary.

(From the Depter nem po, or arcient Become of Zhonnu Pal, in Tsung, or middle That, extracted and translated by M. A. Ceoma Kertei.)

gNyah khri Munpo-(about two hundred) Grigum Manpo. and tifty years a.e.) Spudé gang rgyel. Esbo legs. Khri Steape | These two names may dosign the same person, according to different hodálé, Delabo loga. Thiss legs. Mukhri disanauthorities. Gura logs Dingkhri ôtsappo. AGroug chi lege. Ishn logs. So khri bisanno. Mér khri Steenpo-Za mam za Me, IDé Adul-nas gulung Mann. gDage khri dtaunpo. Bribs khri dtaunpo. Sé ravil cam idé.

Sá rnolps /dé. IDé ruol mam. De rnolpo. IDé srio stan. Gyel tori long åtsen. Khi åtsen, og Khri d'Gah. d Pungs Mann. Khri thohi rjen grage Stean. Lha Thothori gNyan Staan - (five hondred years after the first king), a.o. 407, see Chinese list. Khri gNyin grugs itsan. hGro gNyun /ilum-bg. Stagri gNyan galga g Nam ri srong Atau. Brong Atau ngampo-born a.m. 627. Gung arong gung bixxx-(died before his father). Mang group mang Stran-(son of Brong Junn, etc.)

ADus sang mangpo rje. klang nam forunggi rgyolpo. Khri dåt steng frian men uts hoge. Khri srong lde bisan - (burn a.n. 726.) Muné Maupo. Khri die grong binan (or Mutig etsanpo.) Halps chen Khri hum itsan dpsl. (or &Laugher ma !) A.D. 900 gNum hid bod srange - (in the 10th century; anarchy.) dPal Akhor Mann-(division of Tibet into several small principalities.) bling ship brings dool. Skyid #dé Nyama segon. dPalgyi segon-(noccepted Maryul or Ladage. Marshis Mi segon—(took possession of Бриговек.) Dé stong mgen.

Then follow the names of some kings or pricess who reigned in Ougé and Sparange (or, in general, in Nari), above forthwel and Kamson, commencing with the tenth century. At Le is Ladage may be found the names of the kings that auccessively reigned in that principality; but I could not propure them. There is great confusion in the series of the principality; but I could not propure them. There is great confusion in the series of the principality; but I could not propure them. There is great confusion in the series of the principality; but I could not be not their countries. There are in Tibet several works containing lists of the descendants of Nya khri transpo, the first king, whom they derive from the Litarry race, in India; but in different authors the orthography sometimes varies, and even the whole name is differently stated. This, which I now communicate, has been taken from the Dop-ter hou-pa, 'Ancient records,' written by Zhomos ph), a learned religious person, who lived some contacts ago, and belonged to the Sp-akya religious sect, in yTeang, in Middle Tibet.—A. G.

Tante LVI.—Burman Chromological Table, translated in Crosoford's Embassy.

691 The grand speeh established by An-ja-na, the grandfather of Gautama 628 Gautama boen. Gentama began to reign. Gentama obtained defination (became a Buildha). 603 589 Ajatzast legan to reign. Gautama died and olesined nib-b'han (annibilation). 561 544 The tarred spech established by king Aintannt. His son, U-da-ya-bad-da, began to reign. His son, Muny-da, and after him, his con, Na-ga-da-na. 545 т 520 24 496 48 485 Malas Sam-b'ha-wa. 69 478 66 His younger brother, Chela Sam-Vha-wa, begen to reign. Su-m-na-ga, in Maj-ji-ma (Central India). His sou, Ka-la-sau-ka, in Maj-ji-ma. 472 72 463 91 443 101 Twat-ta-puong, the founder of Sa-re-k'het-ta-ra (or Ras-se Myo, vulgariy called Prome). 428 His son, But-la-se-na, in Maj-ji-sea. 404 140 Nun-da began to reign, and was followed by eight kings of the same name, in Maj-ji-ma 392 162 Chan-ta-knt-ta, in Maj-ji-ma (Chandragupta).

```
T.C.
376
        168
               His son, Rim-tu-sa-ra, in Maj-ji-ma.
               His son, Twat-ta-pam, in Proms.
373
        171
               His son, Ram-b'hasing, in Prome
351
        1.93
        214
                His son, D'hans-ma-sau-ka, in Maj-ji-rea.
330
                D'ham-ma-san-ke rectived the moved affusion (Al'hi-se-se).
        218
326
               Prince Ma-hin-l'ha became a priest (Rahan), and his sister, Princess
San-g'ha-mit-ta, a priestess (Rahan).
320
        224
               The period of the third rehearval of the communications of Gautama.
307
        237
                   The priest Ma-hin-d ha went on a religious mission to Si-ho (Ceylon).
               Ha-ham-man, son of D'ham-ma-san-ka, began to reign in Prome.
Death of D'ham-ma-san-ka (literally, 'his going to heaven').
His son or grandson, Kak-k'han, began to reign in Prome.
301
        241
269
        255
        293
251
                His son, Khun-laseng, in Prome.
219
        395
182
        302
               His son, Lak-k'hong, in Promo.
               His son, Si-k'han, in Prome.
        396
148
                His son, Si-ri-rak, in Premo.
116
        426
                Ta-pa-mang, in Prome.
111
        436
        450
               The communications of Gantama reduced to writing in Crylon.
 94
        4114
               Ta-pa-man's son, Pi-ram, in Promo.
 Ø0
               Ram-suck-k'ha m Preme, and his son.
 39
        595
21
               Ram-elo-ga, in Prosse, and his sen.
His sen, Ram-mun-cho-lin-da, in Prosse.
        500
 84
        568
        583
                His brother, Rosrinsks, in Press.
 29
               His son, Mun-je, in Prome.
His son, Pu-nyan-nya, in Prome.
His brother, So-X'ax, in Prome.
        099
 54
 841
        000
 50
        agai
        606
                Sa-k'hi, in Frome.
 59
                His younger brother, Kan-on, in Prome.
 60
         609
                His elder brother, Kan-tak, in Prome.
His elder brother, Din-ja, in Prome.
 66
         610
 60
         613
               His son, Bu-mun-del, in Prom
         617
 73
         7.3
                The Proces speed, established by king Su-mun-dri,
His see, Ati-tra, in Proces.
 76
           2
 80
                His brother, Su-pacya-na-ga-ea-chlu-na, la Prome.
 83
           π
                Death of king Su-panya-na-ga-ra-shin-na.
Sa-mud-da-raj began to reign in Pugan.
          16
 94
          29
107
                Ras-m-kyaong, in Pugan.
Para-chau-ti, in Pugan.
102
          74
          60
167
                His son, Thimany-runy, in Pugan.
         164
242
                His see, flang-mang-pok, in Pugen.
         221
290
         246
                His son, Pok-mm-lany, in Pursa.
324
                Buil-d'ha-gau-sa went to Ceylon.
         308
386
                Fok-same lany's see, Kysong-do-rach, began to reign.
His son, Sany-t'han
         209
387
41.3
         334
                Muk-k'ha-man and Su-rai.
469
         351
                Sany-t'han's great grandem, Ro-newan-mys,
         416
494
                Sole-ton.
         435
516
                His son, Sang-lang-kyanng-ngui
His brother, Sang-lang-pok.
His brother, K'han-laong.
His brother, K'han-lap.
         445
523
         454
532
547
         469
         579
 007
                His son, Thwan-t'hok
         491
 569
                His son, Thwan-prech.
His son, Thwan-khyach.
 58位
         504
 498
         520
               Pap-pa-chau-ra-han.
         535
 613
          4.8.
                The present vulgar epock established by Pap-pa-chau-ra-han.
 639
                 His sen-in-law, Shwa-ban-si, resconded
 640
            2
```

His byother, Passun.

```
A.D.
             v.5.
 660
              22
                    His son, Pit-taung
 710
              72
                     His brother, Na-k hwe.
              78
 710
                    Myang-ka-kywe.
                    Sing-ga.
 726
              88
 734
              196
                     His son, The wan-twang.
 744
            106
 753
            115
 762
            124
                     His ton, Shwe-mark.
            128
                     His son, Chan-k'hang-mach
 766
                     His brother, Thwan-lwat.
His son, Khai-lu.
 785
            147
 829
            101
                     His brother, Pyany-bys.
 846
            206
 N64
            228
                     His see, Tan-nak
 689
            251
                     Sin-chwan, and his brother, Cha-le-ugu-kwe.
                     His eva, Sing of ho.
 914
            276
                     Tunng-su-kri (the mountain chief)
 930
            202
                     Kwan-chau Ersung-pra-
 945
            307
 966
            328
                     His sen, Kreeng-ch
            334
                     His brother, Cleuck-kn-ts
 973
 997
            359
                     Kraung-p'ham'son Nau-ra-Cha-chua.
1630
            392
                     His son, Chan-ly.
1050
            418
                     Kynn-thach-sn.
                     His granison, Alson-chany-su.
His son, Ku-la-kya.
1081
            443
            dis.
1151
                     His son, Mang-rai-na-rai-sung-ga-
His boother, Na-ra-pa-ti-chany-su
1154
            DIO.
1157
            519
                     His see, Is-ye-sing-gs, or Nan-taung-neys-mang.
His see, Kyn-shwa.
His see, Uch-shz-na.
His bruther, Mang-k'hen-k'hye.
His see, Kysny-shwa.
His see, Chan-mach.
1190
            14/3
1212
            874
1227
            689
1233
            AG5
1277
            429
1291
            668
1300
            662
                     Tu-chi-stong al-ba-m, in Panya.
                     His son, Chan-mwan-nach, in Panys.
His son, Ush-cha-na. This year Assay k'ha-ra-chan-rwan founded
Chit-kaing, and began to resgn.
1313
            675
1322
            684
1830
            692
                     His elder brother, Ta-ra-bya-kri, in Chit-kning Suraing
                    His either brother, Ta-ra-bya-kri, in Chil-kaing Bagaing.
His younger brother, Na-chi-shang-kyany-chwa, in Chil-kaing.
His son, Kyany-chwa, in Chil-kaing.
Chan-mwan-nach died, and Pugen was destroyed.
Kyany-chwa's brother, Man-pa-na-ra-sa, in Chil-kaing.
His elder brother, Uch-cha-na-prung, in Chil-kaing. This year
Sa-to-mang-bya founded Angwa (Ava), and began to reign; Chil-
kaing and Punya were destroyed.
His delivering the Managema (Ava), and began to reign; Chil-
haing and Punya were destroyed.
            704
1342
1351
            713
1356
            718.
1362
            723
1364
            720
                    His father-in-law, Many-kri-chwa, in Ava.
His son, Tu-ra-bya-kri, in Ava, succeeded the same year by Mang-kaung the First.
1877
1401
            763
                     His son, Chany-pro-shang-al-ha-au, in Ava.
His son, Many-Pha-gray, in Ava, succeeded the same year by Ka-le-
            784
1422
1425
            787
                        kyn-ngo.
                     Mo-u'hany-mang-ta-ra, in Ava.
His son, Mang-rai-kyany-chwa, in Ava.
His brother, Na-ra-pa-ti-kri, in Ava.
His son, Mang-k'hanng the Second, in Ava.
1428
            788
1439
            801
1442
            804
1468
            830
1501
                     His son, Shwe-nan-kyany-shang, in Ava (proper name, Na-ra-pa-ti.)
            863
1526
             888
                      Mo-n'hany-so-han-pwa, in Ava.
                     Un-b'haung-chan-b'hwa, in Avz.
His son, Mo-byz-nz-rz-pa-ti, in Avz.
Chu-kong-chany-na-kyasy-taong, or Na-zz-pa-ti-gen, in Avz.
1541
            903
1546
            908
1451
            913
1554
            916
                     Sa-to-mang-chau, in Ava-
```

1.8. 4.0. Prany-chun-ming-rai-kyany-chwa, in Ava. 1565 927 1597 959 Nyaung-rum-man-kri, in Ava. His won, Annua-pult-Iwan-many-ta-ra-kri, in Ava. 1.605 967 990 Sa-Iwan in Ava. 1629 His son, Nu-dat-da-ya-ka, in Ava. 1016 1648 His brother, Prung-mang, in Ava-1881 1027. His son, No-ra-wara, in Ava; supereded the same year Mang-rais-1636 1672 kyany-lang, grandess of Sa-lwan. His son, Man-sung-ra-da-ngu-da-ya-ka, in Ava. 1698 1060 His see, Chang-p'bru-dung, in Ava. His see, K'hasng-flet, sarred captive to Han-su-wati. 1076 1714 1095 1753 Alaung-b'bu-ra (Alompra) began to reign at Mint-cho-ba (Manchabo). 1114 1752 His one, U-pu-ru-ju, at Chit-kning. 1760 1122 His brother, Chany-p'are shang (Bendosu), at Ava. His ron, Chany-kn-cha, at Ava. His rousin, Panny-kn-cha, commonly sailed Manny-mang, son of U-pn-ra-ja, at Ava; assesseded the same year by his uncle, Pa-dun-1763. 1125 1138 1776 1143 1781 mang, or Man-ta-ra-kri, son of A-laung-Vhu-ra, and founder of Artor-re-pu-ra. His present Majosty, grandest of Pa-dam-mang, ascended the throne at A-ma-ra-pu-ra. Are rebuilt, and unde the capital. 1822 1184

Tanke LVIL-Chiefs of Labory and Zoomay .- (Northern Law of Europeane; Your Shan of the Burmose.)

Proin the Native Records consulted by Dr. D. Richardson, 1834. MS.

A.D. H. W. Wather dayes (Vassders) and Take dands, founded Labour. 576 1115 Placed Vanish on the throne (or Zemma devi), daughter of the king of 578 1120 Chondaper, widow of Cambodia raja. 36 Kings, or Lords of the White Elephant. Aditza-ween-the built the Pareds. 19 kings to Bénya men yon (or Burusse, Delana). T.B. Benya tee men yea, changed the capital; thrice married into Pegu 1289 645 family. Benya-founded Zimmay. 1294 656 Nga flora patchoon, his ave. 1331 693 696 No televin to young. 1335 Na telsoon tarwing. 1334 696 Ngathenpus Tro kanprū. 1336 698 1345 707 709 Tao box you. 1347 1369 731 Genera. 739 Gnathen numa. 1377 1380 742 Thambi. 782 Two Benya. 1420 Two avent. 617 1455 Benya yothur. 1483 825 965 Two myn ar. 1503 Benya tsay 1537 809 204 Teo myae. 1542 Zalapabe, his daughter, called there the Dama mahadevi. 15-55 996 Len has mys shee, king of Fegu, took the town. 1558 920 His son, Narata "tac. Ladong family restored. 990 1629

Thadau dama year of Pegu regained it.

992

1630

1763		Neo oung recovered his independence.
1774	1136	Lenhu Shesu, son of Alempra of Ava, took it. Benya to Ban rehelled, throw off Burmese yoks, and joined Bankok afteriance.
1778	1140	Chou chee weet, present king.

TABLE LVIII - Sovereigns of Coylon.

From the 'Ceylan Almanack,' the Honorable George Turnour's Epiteme.

Mejaya (Vijaya) 505 Copations I. 504 Panduwanan 505 Panduwanan 506 Panduwanan 507 Panduwanan 508 Panduwanan 508 Panduwanan 509 Panduwanan 500 Panduwanan 500 Panduwanan 500 Panduwanan 500 Panduwanan 500 Panduwanan 500 Panduwanan 601 Panduwanan 602 Panduwanan 603 Panduwanan 604 Panduwanan 605 Panduwanan 606 Panduwanan 607 Panduwanan 608 Panduwanan 608 Panduwanan 609 Panduwanan 609 Panduwanan 600 Panduwa	ymasty, d. nasa.
643 Wejaya (Vijaya) 505 Copalina I. 504 Panduwasa I. 505 Panduwasa Paternal nephew of Wejaya Copalina I. 654 Panduwasa Panduwasa Sau of Panduwasa dethrone 655 Panduwasa Copital Assemble 656 Panduwasa dethrone 657 Pandukashhaya (capital Assemble 658 Panduwasa dethrone 658 Panduwasa det	ymasty, d. nasa.
504 Pandawasa I. 504 Pandawasa Pandawasa Paternal nephew of Wejaya 505 Andaya (capital Association Pandawasa; dethrone 507 Mostaseewa Maternal grandess of Pandaw 508 Mostaseewa Pandawasa Panda	d.
Ahaya Bu of Pandawasa; dethrons Interreguina Pandakaahhaya (capital Assemble pura) Mostusewa Devenipoatiass Cortiya Suratism Suratism Suratism Seas and Gouttika Later Salatism Teach or Thullathanaka Later Thullathanaka Later Thullathanaka Later Thullathanaka Later Salatism Kaloonas or Khallasia Nasga Kaloonas or Khallasia Nasga Develop Kaloonas or Khallasia Nasga	aces.
474 Ahhaya 464 Interreguum 477 Pandukuahhaya (capital Asunadh- pura) 487 Mostusewa 487 Devenipontiasa 487 Oottiya 487 Oottiya 487 Suration 488 Suration 488 Sens and Goottika 488 Elasia 489 Elasia 480 Incotongalmonogo 480 Elasia 481 Toother Thullathanaka 482 Elasia 483 Elasia 484 Elasia 485 Elasia 486 Elasia	aces.
Interreguina Pandulanhaya (capital Asuradh- pitra) Maternal grandesa of Pandaw Paternal grandesa of Pandaw Patern	aces.
Pandulunhhaya (capital Asumalia- pitra). Mestracewa Peternal grandeon of Pandaw Paternal grandeon of Pandaw Paternal grandeon of Pandaw Paternal grandeon. Condition. Condition. Fourth son of Mostacewa. Fifth dirts. Sixth dirts; put to death. Foreign murpers; put to death Ninth son of Mostacewa; de Foreign murpers; killed in bat Son of Kaswantiasa. Son of Kaswantiasa. Toold or Theillathanaka. Laiminitiasa I. or Lajpeina. Meternal grandeon of Pandaw Paternal grandeon. South con. Fourth son of Mostacewa. Foreign murpers; put to death. Brother; Yenger son; deposed. Edder brother; Brother; put to death. Brother; deposed.	h.
pitra). Meternal grandeon of Pandaw Paternal grandeon of Pandaw Paternal grandeon. Sound non. Fourth son of Mostaseewa. Fifth dirac. Sixth dirac. Sixth dirac; put to death. Foreign unuspers; killed in bat Son of Kaawantiasa. Brother. Younger son; deposed. Laiminitiasa I. or Lajpeina. Laiminitiasa I. or Lajpeina. Brother; put to death. Brother; put to death. Brother; deposed. Brother; deposed.	h.
267 Mostassewa	h.
207 Devenipontians	powed.
257 Maha-newa Forth dino. 247 Suratism Sand Geottika Sand Sand Geottika Sand Sand Sand Sand Sand Sand Sand San	powed.
257 Maha-newa	powed.
247 Sens and Goottike	powed.
297 Sens and Goottiks	powed.
205 Ascia	powed.
205 Elasia 101 Pootoogailmoonoo Eos Essentiasa, 137 Esidattissa. 119 Teschi er Thulkathanaka Erother. 119 Laiminitissa I. ur Lajjetius Eder brother. 100 Kalooma or Khallaata Naaga Erother, put to death. 104 Walagumbahoo I. or Watnagaaraini 105 Pulabattha (usurpers)	tie.
101 Dootsingsimoneo	tle.
137 Sajdajtieu. Brother. 119 Teehl er Thullathenska	
119 Toohl or Thullathanaka	
119 Laiminities I. or Lajjetius	
100 Kaloonns or Khalisaia Naaga	
100 Kaloonus or Khalisafa Naaga	
104 Walagumbaloo L. or Wattagnamini Brother; deposed. 103 Pulabattha (murpers)	
103 Pulabatha (usurpers)	
160 Bearths	
	and their
OR Description of the Control of the	DODESTANTA.
91 Peliyamaaraa	
90 Daathiya acceptant comments	
86 Walagambahoo I	
76 Mahadailitima or Mahachoola Son.	
62 Choors Nanga	
50 Kooda Tisas Son; potented by his wife,	
41 Makalantissa or Kallaksoni Tessa Second son of Koodatissa,	
19 Bustiyatism I. or Bustikashbaya Son.	
9 Mahadailiya Manna or Duathika Brother.	
21 Addennimorno or Annumla Gazmini Son; put to death.	
30 Kinihirridailla, or Kanijassi Tissa Beether.	
33 Koods Abhau or Choolsakhes Son.	
34 Singhawalles or Sucwalli Sister; put to death.	
35 Interregrum.	
38 Elloona, or Ila Naaga Maternal nephew of Addegain	
44 Sanda Mochoons, or Chanda Mukha	0000
52 Yess Silve, or Vataniskeriess. Brother: not to death	
and the second of the second o	
60 Suhha Usurper , put to death.	
66 Wahapp, or Wasshbu Descendant of Laiminitiess.	
110 Waknais, or Wanka Nasnka Bon.	
118 Gajaahakoo I. er Gaamini Son.	

131 Bast 155 Chool 173 Kood 183 Kood 184 Kood 209 Wais 231 Abha 239 Siri i 241 Weja 242 Sang 242 Sang 248 Golos Maks 261 Maks 275 Maks 302 Klish	Names, or Mailaka Sanga, iya Tissa II. or Ehantika Tissa II. or Ehantika Tissa II. or Ehantika Tissa oona, or Cheoskia Nanga asaaima or Koode Nanga I sahairatissa, or Siri Nanga I sahairatissa, or Wairatissa. Sen, or Ahia Tissa Sanga II. Indoo, or Wejaya II. stiem I. ma Sirinanga Bo, or Sirinanga Chi I. o Ahiaya, Gotha Ahhaya, or ghawarna Ahfaya. lan Detau Tissa I. o Sen.	Maternal cousts. Sea. Breather. Son; murdered. Nephaw; depened. Brother-in-law. Son; murdered. Brother-in-law. Son; murdered. Brother-in-law. Son; purthered. Brother. Son; put to death. Descendant of Laiminities; poisoned. Ditto; depened. Ditto. Son.
131 Bast 155 Chool 173 Kood 183 Kood 184 Kood 209 Wais 231 Abha 239 Siri I 241 Weja 242 Sang 240 Daha 16 248 Goloz 261 Maks 275 Maks 302 Klish	iya Tissa II. or Rhantiku Tissa la Tissa, or Kan(itha Tissa soona, or Cheodin Nanga lasaima or Kacda Nanga la Sirinan, or Siri Nanga la Sirinan, or Siri Nanga la Sirinan, or Siri Nanga la Sen, or Ahha Tissa Sen, or Ahha Tissa Sanga II. ladoo, or Wejaya II. stian I. ma Sirinanga Bo, or Sirinanga dhi I. o Ahhaya, Gotha Abhaya, or ghawarna Ahhaya.	Sen. Brother. Son; murdered. Nephaw; depend. Brother-in-law. Son; murbered. Brother. Son; murbered. Brother. Son; put to death. Descendant of Luiminities; poisoned. Ditto; depend. Ditto. Son.
155 Chee 173 Koob 184 Kood 184 Kood 209 Waix 231 Abha 239 Siri 1 241 Wejo 242 Sang 240 Duha 10 248 Golos Me 261 Maha 275 Maha 302 Klish	la Tissa, or Kanistha Tissa cons, or Choodia Nanga issaima or Kacda Nanga la Sirinan, or Siri Nanga I suhairatissa, or Wairatissa Sen, or Ahha Tissa Sanga II Indoo, or Wejaya II stian I ma Sirinanga Bo, or Sirinanga dhi I o Ahhaya, Gotha Abhaya, or ghawarna Abhaya lian Detau Tissa I o Sen.	Brother. Son; murdered. Nephaw; deposed. Brother-in-law. Son; murbered. Brother. Son; put to death. Descendant of Laiminities; poisoned. Ditto; deposed. Ditto. Son.
173 Kook 183 Kood 184 Kood 209 Wais 231 Abha 239 Siri 1 241 Wejo 242 Sang 240 Duha 10 248 Golos Mais 261 Maha 275 Maha 302 Klish	soons, or Chookin Nanga intalities or Kaccie Nanga la Sirinan, or Siri Nanga I subalitation, or Wairatinat Sen, or Ahha Tosa Sanga II Indoo, or Wejaya II stiam I ma Sirinanga Bo, or Sirinanga lih I o Ahhaya, Gotha Ahhaya, or ghawarna Ahhaya lian Detau Tima I o Sen.	Son; murdered. Nephaw; deposed. Brother-in-law. Son; murberd. Brother. Son; put to death. Descendant of Luiminities; poisoned. Ditto; deposed. Ditto.
183 Kood 184 Kood 209 Wais 231 Ahha 239 Siri I 241 Weja 242 Sang 240 Daha Blo 248 Galoo Me 261 Maka 275 Maha 302 Klish	arasima or Koode Nanga la Sirinan, or Siri Nanga I rahalistisan, or Wairatawa Sen, or Ahha Tosa Sanga II Indoo, or Wejaya II stiera I ma Sirinanga Bo, or Sirinanga dhi I Ahhaya, Gotha Ahhaya, or ghawarna Ahhaya	Nephaw, depend, Brother-in-law, See; murberd. Brother, See. See. See, put to death. Descendant of Luiminities; poisoned. Ditto; depend. Ditto.
200 Wniv 231 Abha 239 Siri I 241 Weja 242 Sang 240 Daha Be 248 Galoo Me 261 Maka 275 Maha 302 Klish	a Sirinan, or Siri Nanga I. rahairatisan, or Wairatisan Sen, or Ahia Tosa Sanga II Indoo, or Wejaya II stiem I. ma Sirinanga Bo, or Sirinanga dhi I. o Ahiaya, Gotha Abhaya, or ghawarna Abhaya. lan Detan Tisas I. s Sen.	Brother-in-law. Son; mumbered. Brother. Son; put to death. Descendant of Luiminities; poisoned. Ditto; deposed. Ditto.
200 Water 231 Abha 239 Siri 1 241 Weja 242 Sang 240 Duha Bio 248 Galox Make 275 Make 302 Klish	rahafestissa, or Wairatima. Sen, or Ahha Tosa Sen, or Ahha Tosa Sanga II Indoo, or Wejaye II stian I ma Sirinanga Bo, or Sirinanga dhi I o Ahhaya, Gotha Abhaya, or ghawarna Abhaya lan Detan Tima I	Son; munboud. Brother, Son. Son; put to death. Descendant of Laiminities; poisoned. Ditto; depend. Ditto. Son.
231 Abha 239 Siri I 241 Weja 242 Sang 240 Duha Bio 248 Golox Me 261 Maka 275 Maka 302 Klish	Sen, or Ahha Tosa Snaga II Indoo, or Wejaye II stiam I ma Sirianga Bo, or Sirianga dhi I Ahhaya, Gotha Abhaya, or ghawarna Abhaya lan Detse Tism I	Brother, Sen. Son.; put to death. Descendant of Laiminities; poisoned. Ditto; depend. Ditto. Son.
231 Abha 239 Siri I 241 Weja 242 Sang 240 Duha Bio 248 Golox Me 261 Maka 275 Maka 302 Klish	Sen, or Ahha Tosa Snaga II Indoo, or Wejaye II stiam I ma Sirianga Bo, or Sirianga dhi I Ahhaya, Gotha Abhaya, or ghawarna Abhaya lan Detse Tism I	Brother, Sen. Son.; put to death. Descendant of Laiminities; poisoned. Ditto; depend. Ditto. Son.
239 Stri 1 241 Weja 242 Sang 240 Duha Blo 248 Golos Mc 261 Maka 275 Maha 302 Klish	Sanga II Indoo, or Wejaye II stiem I ma Sirinanga Bo, or Sirinanga dhi I o Abhaya, Gotha Abhaya, or ghawarna Abhaya llan Dehu: Tima I	Son; put to death. Descendant of Luiminities; poisoned. Ditto; deposed. Ditto.
241 Weja 242 Sang 240 Duha Blo 248 Golos Me 261 Maka 275 Maha 302 Klish	Indoo, or Wejaye II stiam I. ma Sirinanga Bo, or Sirinanga dhi I. o Ahhaya, Gotha Abhaya, or sghawarna Abhaya llan Dehu: Tima I. o Sen.	Ditto ; depend. Ditto ; depend. Ditto :
242 Sang 240 Duha Ric 248 Galox Me 261 Make 275 Maha 302 Klish	stism I. ma Sirinanga Bo, or Sirinanga dhi I. o Abhaya, Gotha Abhaya, or oghawarna Abhaya llan Detan Tima I. o Sen.	Ditto ; depend. Ditto ; depend. Ditto :
248 Goles Me 261 Make 275 Make 302 Kitsh	ma Sirinanga Bo, or Sirinanga dhi I. o Ahhaya, Gotha Ahhaya, or oghawarna Ahhaya dhan Dehu: Tima I.	Ditto i deposed. Ditto Son
248 Gales Me 261 Make 275 Make 302 Kltsh	chi I. Ahhaya, Gotha Abhaya, as ghawarna Abhaya. Jan Detan Tima I. Sen.	Ditto.
261 Make 275 Make 302 Kitsh	Shawarna Abhaya	Ditto.
201 Makes 275 Makes 303 Kitsis	In Deter Tim L	Sun.
275 Maha 303 Klish	Sep.	Sun.
302 Kltsi	Sott	
ana Witen	d Marwan L or Eletions	
M.		Brether,
	and the state of t	4
330 Deto	ghawarus	Sus.
William Depos	Time II	Brother.
339 Bujus	or Budha Duam	Brita.
368 Oups	time II.	Sec.
410 Mabu	Name	Brother.
432 Bengi	not or Sotthi Bens	Sun / prisoned.
432 Laim	ini. Tiese II., or Chetaguabaka.	Descendant of Laimini Tisse,
433 Mith	Sons, or Karalaura	Not specified ; put to death.
the Passe	Di serrette proposition de la company de la	Carlot Ca
430 Pauri	ada Kooda	
455 Khud	da Pasrinda pressuratamento	24. 8-Foreign saurpers.
455 Daatt	diga	an a south michael
458 Piech	iya garananggaranan talan	CORNEL TOTAL CO.
450 Duan	inkulleys, or Dhaatu Sens	Descendent of the original royal family; put to death.
477 Bigiri	Karoemboo, or Kamppa I	Son; committed exicide.
406 Moog	allama I. patemanagermanager	Drother,
613 Kmm	sears Dune, or Kosmanne	- Address
Di	aat Sena	Son; immedated bimself.
\$22 Kirti	Sona	Sen : prerdered
	Siwoo, or Siwaka	Maternal uncle; murdered.
531 Laim	ist Oopation III	Brother-in-law.
534 Ambe	herra Salamaiwan, or Stian-	ANYONATE-SELECT.
but Anton	de constantination of conse-	Marie de Trans
847 Dasp	da.	Someta-law,
and the same of the	uloo I. or Dantthamps Ethodol	Served ava ; committed micide,
	magalun, or Mongallanna II.	Elder brother.
567 Kuda	Kitsiri Maiwan L or Kirtisari	was harried
ene Me	ghawarna	Son; put to death.
SHE SHEET	vi, or Make Nasch	Descendent of the Okuska branch,
589 Aggv	shodhi I. or Akba	Maternal nephew.
623 Aggr	abodhi II. or Senia Akhu	Sm-in-law,
633 Sang	ativa	Drother; dosupitated.
633 Been	a Moogulan, or Lamini Bo-	
	ya	Usurper; put to death.
	seggualska, or Amegaaliska	Maternal grandson.
	langalss II.	Son; deposed.
648 Kaloo	one Detootisse, or Laimine	
W.	toorevs	Dependent of Labelet Time [smiride.
549 Siri 6	tooreys	Descendant of Laimini Time; committed
666 Dalos	mostion I or Dhathard	Restored, and again deposed.
	operation I, or Distthopations	Laimini branch; killed in battle.
686 Dupu	olos Kassembo, er Kaustypa II.	Brother of Strissagaho,
non Tuba	loc II.	Oknaka branch; deposed,

4.35	Names.	Baletkonskip of each succeeding severeign.
693	Daloopeaties II. or Hattha-Dattho-	Son of Daleopestissa I.
702	Pussonica Seri Sanga Bo III. or	* 4
WEG	Aggrabodhi	Brother,
718	Walpitti Wasidata, or Dontamanus Hoomnookra Rinsdalsor Hattlada-	Okaaka brench.
-	the	Original royal family; decapitated.
720	Mahalaipanuoo, or Massawamma	Duta.
726	Katsiyappa III. or Kasoombo	Sec.
729	Aggrabesthi III. or Akbo	Nephew.
769	Aggrabedhi IV, or Kuda Akho	Sen (napital Pellonnaroowa).
716	Miltindoo I. or Salamaiwan	Original royal family.
794	Dappsola II.	Son.
800	Milindo II. or Dharmika-Seslasm-	
660	digs	Son.
804	Aggrabodhi V, or Akisa	Brother,
816	Dappools III. or Kula Dappools	Sou.
831	Aggrahadhi VI.	Country,
698	Mitwella Sen, or Solasmalga	Bea.
859	Kamiyappa IV. or Mangunyus Sena,	A state of the sta
Cap	or Mihindoo	Grandson.
891	Udaya I	Sinther.
926	Udaya II	Son.
997	Kasalyappa V.	Nephry and son-in-law.
954	Кланучора VI.	Son-in-law,
964	Dappaola IV.	See.
904	Dupponla V	Nat specified.
974	Udaya III.	Brother.
977	Sena II.	Not specified.
986	Udaya IV	Ditto.
994	Sena III.	Ditta.
907	Mikindee III.	Ditto.
1013	Sens IV.	Sou ; mlace;
1023	Mindoo IV	Brother; sarried captive to India during
1059	Internationers	the Belown conquest.
1071	Interreguent Webser Land	Bilevan visa-royalty.
1126	Wetayahahan L or Sirisungabe IV.	Grandson of Mikindoo IV. Brother.
1150	Wikramabahoo L	
1127	Caladahan II	
1160	Prakramatahou I.	A disputed annoussion.
1186	Wildenhoe II	Son of Masnaburana,
1187		Nephew; murdered.
1187	Mihindon V, or Kitsen Kisdans	Usurper; put to death.
1196		A prince of Kaslings.
1196	The second secon	Son; put to death.
1196		Brother of Kirti Nissanga, put to death.
1197	The state of the s	Nephew; deposed.
1200		Widow of Prakramabahoo; deposed.
1200	The state of the s	Oknoka termeh; deposed.
1205	Property incomes of suppression to the contract of the contrac	Sister of Kirtl Nimanga,
1209		Not specified; a minor.
		Minister; put to death. Restored, and again deposed.
1200		Mentored, and again deposed.
1210		Unurpor; deposed.
		Again restored, and deposed a third time.
1211		Usurper; deposed.
1214		Foreign usurger.
1235		Descendant of Sirisangaba L.
1266		A CONTRACTOR OF THE PARTY OF TH
	Paandita Prakrama Baboo III	Son.

4.0.	Names.	Estationarily of each succeeding soversign.
1301	Bosat Wejaya Bahoo IV	Sea.
1303	Bhuwaneks Bahou I	Brother,
1314	Prakruma Buhoo III.	Sen of Bosal Wejaya Bahoo.
1219	Bhgwaneka Balloo II (at Husti-	Action Committee Committee
	sallapura)	Son of Bhuwmeka Bahoo.
	Pandita Pyakruma Bahoo IV	The state of the s
	Wanny Binwaneka Bahse III	A 400 TO 1
		Not specified.
1347	Bhuwaneka Buhoo IV. (at Gumpala)	
1361	Prakrama Bahoo V.	
1371	Wikram Bahoo III. (at Kundy)	Cousia.
1378	Bhewaneka Bahoe V.	And the second second
1398	Wejaya Balens V, or Weers Haloo.	Nat specified.
1410	Siri Frakrama Bahoo VI. (at Ketta)	
1462	Jayaa Bahoo II.	Maternal grandson, put to death.
1464	Bhuwaneka Bahoo YL	Not specified,
1471	Pandita Prakrema Baboo VII	Adepted son.
1483	Wirs Prakrums Babes VIII.	Strether of Bhuwansha Bahne VI.
1605	Dharma Prakruma Bahoo IX	Sea.
1634	Wejaya Bahao VII	Brother; murdered. Son.
1542	Bhawaneka Bahue VII	Granden.
1094	A Malahar, at Yapahus.	Granese.
	Portuguese at Colombo.	The state of the s
	Wesdayo Raja, at Paslainda Nawara.	Wie.
	Rasjanugha, at Aprimawella.	7.70
	Idirengency Surive, at Seven Keeles.	
	Wikrams Bahon, at Kandy.	
1681	Resissinghe L.	Bon of Manyasdunnai
1592	Wimala Diarma	Original royal family.
1004	Senasrutene, or Senaral	Brother.
1035	Rasjasingha II.	Sea.
	Koomaara-sings	Brother.
	Wijaya Panis contemplations	Brother.
1685	Wimita Dharma Suries IL	Son of Easyssingle.
1707	Sriwira Prokrama Narendra-singles,	
	or Kanadaraska arramanararara	Sis.
1739	Briwejaya Rasjeringba, or Hangu-	# TO 1 TO 4 TO
	TROUGH accommunication of the contraction of the co	Brother-in-law.
1747	Kirtisri Baayasinglis	Brother-in-law.
1731	Rasjaadhi Rasjaringha	Bleether.
1799	Bree Vikrama Rasjasingles	Sim of the late king's wife's sister, de-
		posed by the English, and died in cap-
		tivity.

In the native mode of recording the lengths of individual raigns, without refering them to a fixed speek, anarhronisms are unavoidable: Mr. Turnous has judiclously applied the following fixed points to correct the foregoing table.

The landing of Vijaya, in the year of Buildha's death. The mission from Discretsuka to establish Buildhism in Ceylon.

307

104

The conquest of Ceylon by the Malabars.
The founding of Abhayaguri by Wala genriahu.
The date of the Vaittliya heresy, in Vaivahara's reign. 90 A.D. 209

252 The revival of ditto, in the reign of Gold Abhas.

301

Death of Makasen, 4 years anachronism.

Another revival of the Vaittliya heresy, in Ambakira's reign.

Origin of the Vijes wandiya heresy, in Mitwella Sén's reign.

The accession of Frakrame Baho, 6 years smathr. 545 838

1163

A.D. 1206 Ditto of Sahasa Mallawa, by Dumbulla rock inscription, A.z. 1473.

1266 Ditto of Pandita Prákrama Báhú III., error seven years

1347 Ditto of Bhuwaniks Bahe IV.

In the containing portion of the history of Caylon, other materials have not been wanting for the adjustment of its chronology.

Table LIX. Greek dynasties in Asia, founded after the death of Alexander the Great, by his Generals, etc.

	many the court of the same	the district white sizes.
B.C.	SYDIA	
334 Alexander the Gradied, 323.	nat; fore, 556; n.c. 157	Antischus VII. Sidetes.
312 Selongus L Nicator		Alexander II. Zobina.
260 Antiochus I. Soter.		Selruous V.
261 Antiochus II. The	M. 124	Antischas VIII, Grypus,
246 Selencus II. Callin		Antischus IX. Oyciomus.
226 Seleuens III. Cara		Selenesm VI, Epsphanes.
223 Antischus III. Ma (Achusa.)		Antiochus X. Eusebes. Antiochus XI. Epiphanes
187 Seleucus IV. Pullo	pater.	Philip, and
175 Antiochus IV. Epi-	phenos. 94	Demetrius III. Eucarus.
164 Anticelas V. Eups		Anthodica XII. (Disnysius of
163 Demetrius I. Soter 160 Alexander I. Bala.		Jessephens).
147 Demotrins II. Nies	1 33	Tigranes, of Armenia.
144 Antischus VI, Thu		Autiothus XIII. Asiaticus.
142 Tryphon,	- 00	Syria became a Roman province.
in adjust		70.00
7. San J. San J.	PARTELA:	
8.0 286 Aratees I. 285 Tiridates F. 216 Ariabanus I. 196 Phraspatius 181 Phrabatus II. 173 Mithradates II. 126 Ariabanus II. 127 Mithradates II. 128 Mithradates II. 129 Mithradates II. 120 Mithradates II. 120 Mithradates II. 121 Mithradates II. 122 Mithradates II. 123 Phrabatus III. 124 Grudas I. 125 Ariabanus II. 126 Mithradates II. 127 Phrabatus III. 128 Phrabatus IV. (Tiridates II.) (Phrabatus IV.)	E 62 777 106 115 116 125 126 127 145 192	(Cinnamus) (Artalanter III.) Bardanes. Getargis. (Mahardates). Volumes II. Volumes II. (Artalantes IV.) Pascous. Chartes. (Parthamsepains). (Chartes restored). Volumes III. Volumes IV.) (Volumes IV.) (Volumes IV.)
A.D. 4 Phrahataces. 5 Orodes II. 5 Vonness I. 13 Artablems III. (Tiridates III.	235	Artabanus V.

ENGUE RINGS OF BACTRIA.

[I have emitted this list of Frinsep's, which was necessarily less complete than the elaborated series already inserted at p. 173, vol ii. of this work]

¹ The dates in this list, as well as the new names inserted in brackets, are taken from Mr. Lindsay's work on Parthian coinages. The titles of the kings appended to Princep's note * are also corrected up from the same authority.]

* The family name Areson is applied to all the princes of Parthia, hence called

TABLE LIXa .- Areacidan Kings of Armenia, according to Moses of

		Charene.		
B.C.		P.I.	Team.	45.5
149	130	Valaracesreigned	22	Vagiourshag.
127	108	Armsten I.	13	
114	95	Artoma L.	28	AND THE PARTY OF T
89	79	Tigranes II	23	19th year of Arances III
55-36	34	Artavasdes L.		
	20	Arsanita	.20	20th of Arms.
	-	Abgaras	28	20th of Arabirus.
	85	Sanstruces	30	5 X 1 200 X
	64	Eruandaa II.	21	Bula of Durius.
	86	Actases II.	45	28th disto.
	129	Artavasles II	ew da	
	129	Tiranur L	21	3rd of Ferra L.
	150	Tigranet III.	42	State Washington
	102	Valaries	-53	50th of Valorses.
	225	Charmes I	47	2nd of Artabanut.
	272	Super Sames.		
	280	Tiridates	M	and of Discletian.
		(Intervallani).	-	Die en Tracellemen
	337	Chescoes II.	. 9	5th of Constanting.
	353	Tirnous II	31	THE COMMENTS
	364	Arapose II	30	
	394	Papas	7	
	401	Variables	4	25th Theodorius
	400	Areaces III.	5	and duning
	411	Chospiels III		
	416	Versmus Sapone	31	
	437	Charges III. restored agrangement	-1	
	439	Sapore and	4.1	
	442	Interregume	-	
	444	Artatires		
	450	The Armenian kingdom extinguished	-J.F	

TABLE I.X .- Mythological Period of Persian History.

PRINCIPLAN DENANTS.

Kalumars, by some supposed to be Adam, or Need, reigned at Balkh. Sixmek, his ron. Hoshang. Thanurath, surnamed Dechand. Jamshid, reigned at Persepatis. Zehük, menamed Alvani, an invader, Feridün, restored by Kawa the blacksmith. Irkj. Koshang. Masuebahr. Nandar. Afreciab, king of Türkistan Zah, brother of Nandar. Ghorshasp.

the Arsseide, and is almost the only our visible on their coins. [Their coin titles (MUSHITY OCCUPTING IN the SEMINATED HAVE THE BASIAFOL BEAS OFFANIAL METAAOT, GEOHATOPOL GEOHATOPOL GIAGAAFOC FINGATOPOL MICATOPOL AIKAIOT, ETHATOPOL NEIKHEAL, TIOS KERAAOTMENOL

ENIASIAS DINASTI.

Kal-kobild (kar signifies the mighty).

Kal-Kata, son or grandson. Rustum his general.

Kal-Khusru, grandson. Cyrus the great.

Lohrisp, son of Orond Saids. (Cambrass omitted?)

Gushtisp, his son. Hystospes of Greeken history.

Isfordiar, his son. Apands or Astronom of Sitto.

Kai Bahrasa, or Ardeshir darkadast. Astaneries Longimums.

Hombi, daughter and wife of ditie.

Dirūb, son of ditie.

Dara, his son: the Darius oversome by Alexander the Great.

(The Mulik-tawaif, or petty kings, following Alexander, called by the Persians the Ashkanians and Ashgusanians, have been given above as the Amacida of the Greeks.—J.P.)

TABLE LXI .- Kings of Persia, of the Samunian race.

[The subject of the dates of the accessions of the Sassanian dynasty is involved in some obscurity, from the practice provailing of reckoning by the years of each king's reign instead of following the order of a single cycle. I have contented myself for the present with quoting the dates given in Dr. Smith's Dictionary, and appending Dr. Mordtmann's latest determinations a propose to his claborate coin illustration of the history of the race.

finitic, Mertinant

the interpolation.]

220	226	1	Ardeshir-Balongks bin Basks; or Artenoraus.
240	235	3.	Shebpühr, Shapür, or Saper, captured Valerian.
273	260	. 3	Hormand or Hormandas.
274	271	4	Baharam, or Varenes L.
277	374	- 6	Dabarlon, or Varanou II.
204	291	6	Baharken, or Verance III. Segun Shah.
294	291	7	Naral or Narson, conquered Armonia and Galerian.
363	500	8	Hormund, or Hormisdas II.
310	308	. 8	Shahpular, or Saper II.
381	380	10	Artiselitz, or Artaserses II.
385	383	11	Shahpthr, or Sapor III.
390	389	12	Baharins, or Varaton IV. Kormin Shih.
404	209	13	Yendegird, or Indegordo L ²
420	420	14	Baltaring-gaur, or Varance V, visited India.
	[Ha	Mos Mos	Isfahani, Latin Prefact, p. ri.]
232	Labor		Time LS Years to Years
285	Burio	men T	reigned 52 421 Artanius IIreigned 4
-austr	None	STOR A	
344	War	mind.	9 435 Isdigents I
***	L	iens ka	5 446 Versuns II
	Lake	mode	mporary of Constantine). 467 Indigerdes II
	-	7th a	Fernere II. in whose roign Moses of
351	Same	7 544 7	enr of Constantine). Chorene lived.—J.P.
	f-Slote		L
Tatal	Loom	n 14	hors insert a second king of this name after Yerdogird I Hammh. Mordinann, n. 84; but there are no be no sufficient authority for
* 200	Mark.		ALGEBRAREN D. C.A.: But there seems by he are audicions perhaute for

```
Sulth Mordinana
                  Yeadegird, or Isdegerle II.
448
      440
            15
                  Hormand, or Hormisday III.
4.5N
      457
             16
                  First, or Peross, allied with Khikka of Huns.
65B
      458
            17
484
      485
             16
                  Bulks, Palash, or Balascos.
488
      491
                  Kohad, or Cavados.
             19
                  Jamesp. (Kobid recovers kingdom 502.)
Khosri, Kesri (Nushirvin), or Charces.
Hormusel, or Hormisdas IV. deposed by his general (Varanes VI.
498
      498
             95
531
      631
             21
579
      679
             22
                     A.D. 500, M. A.D. 591.)
591
      591
             22
                  Khosrd-Parviz, Kveri, or Chosroes II. put to death by
628
      628
             24
                  Kobad Shirwyich, or Sirom.
                  Ardushir III. Anarchy.
Shahriar on Sarbanse
      629
             25
      629
             58
      629
             22
                  Puran-Dukht.
      631
            28
                   Asterni-Duklit.
                  Ferokh-zad-Bakhtyar.
      631
             29
                  Vendegird or Independs III. sweethers up by Musalmans 641.
      632
             30
```

Table LXII .- Khalife, vicegorente or successors of Mahamed or Muhammad bin Abd-aliah, whose death occurred in the 11th of Hijra era, or a.D. 682.2

(This and the following from Marelon's 'Numberstate Orientale,' corrected up from later Numberstie works.)

```
11
     益
                 Abobakz
13
     634
              9
                 U'mar.
     644
              3
                 D'aman.
23
                 A'B.
36
     658
40
     603
                 Hamz hin A'li, resired to Medina-Husain killed at Kerbela
                 RACE OF SOCIETARS, RESIDENCE AT BAMABURE.
44
     561-2
                 Mun'wish I.
                Yarld bin Man wind.
60
     679-60
             9
     4983-4
64
             à
                 Mus'with II, bin Yarid.
64
     664
                A'bdallah bin Zobeir
```

' [633 a.ts. is the date of the commencement of this king's reign, which has given the initial year to the era bearing his name. See p. 142, vol. ii. sees, Orkley's ' Hist. Surseous,' pp. 145, 277.]

² [I have altered the original transitionation of these names in order to reduce the orthography of the Rieman equivalents to as close an achievence to the literal definition of the original Kothe as the nature of our English system of writing will permit. The nine letters of the Arabic alphabet, whose powers have been purvoised in the utterance of foreigness, have been made to follow the Persian system of phonotic expression, and are severally represented by the following English pointed or necented equivalents:—

ق ع ظ ط في من ذُد ج ث

The Arabic powers of these letters are severally -1. th (thick); 2. h; 3. th (thick); 4. s; 5. d; 6. t; 7. th (tables); 8. a; 9. s (guitaral). I have not concerned myself greatly with the correction of the equivalents of the Arabic about rowels, but it may be noted that, under the old seaton, the English cowel s ordinarily stood for what modern practice represents by the short a, though in many cases it was inserted indifferently in the place of the t.

```
A.H.
        A.B.
        684
                      Marwin bin Hakim.
 65
        684-5
                  6
                      A'bd-ol-malik bin Marwan,
 86
        705
                  7
                      Walld hin A'bd-ul-malik
                      Solaiman hin A'bd-ul-malik.
 96
        714-15
                 -8
 99
        717-18
                  9
                      U'mar bin A'bd-ul-a'ziz.
101
        719 - 20
                10
                      Yazid II. bin A'bd-ul-malik.
                      Hisham bin A'bd-ul-malik.
Walid II. bin Yurid.
105
        723-4
                 11
        742-8
125
                 12
126
        743-4
                      Yanid III. him Walid
                13
126
                 14
        744
                      Druhim hip Walts
127
        744-5 15
                      Marwan II. bin Muhammad, deposed and slain
                      RACE OF AL-A TRAS, RESENTED AT SAUSDAD.
132
        749-50
                      Abal A'bbas al-suffab.
136
        753-4
                  2
                      Almanyur.
        774-5
156
                  3
                      Al-Mahili bin al-Mansur.
                      Al-Hielf bin al-Mahdi
169
        785-6
179
        786-T
                  A
                      Harrin al-limbid bin al-Mahdi.
193
        509-10
                      Al-amin him al-Rashtd.
198
        213-14
                      Al-Maman bin al Bashid.
202-3
                      Ibrahim hin Al-Mahdi, competitor, $17-18.
                      Al-Ma'tasens bilinh bin al-flashid.
Al-Waşik-bilinh bin al-Ma'tasem.
218
        841-2
227
                  0
                      Al-Mutawakkil u'l allah bin Ma'tan
Al-Mutlaşir billah bin Mutawakkil.
        846-7
239
                10
247
        861-8
                 11
        862-3
                      Al-Ma'sta'in hillah his Muhammad hin Mu'tneam.
246
                 13
282
        6nd-7
                      Al-Ma'taz billah bin Mutuwukkil.
                 12
                      Al-Muhtari billah bin Wank.
255
        848-9
                 16
                      Al-Ma'tamed a'le illeb him Mutewakil; Egypt independent.
256
        869-70 L5
                      Muwaffit billah, his conductor from 871 to 891.
Al-Ma'taset billah hin Muwaffit.
279
        892-3
                 10
                      Al-Mukraft billah hin Ma'tased | provinces independent.
Al-Mukrador billah hin Ma'tased; minutered by a nemuch.
289
        901-2
                 17
295
        007-8
                 18
                      Al-Kaher bellah bin M'ataped.
320
        932
                 19
                      Al-Rayi billah bin Muktader; Amir al umra powerful,
Al-Mutaki billah bin Muktader,
322
        035-4
                 20
229
        940-1
               23
333
        B44-5
                99
                      Al-Mustakf: billab bir Muktader.
334
        044-9
                      Al-Muti'lillah bin Muktader,
Al-Tat' Ellah bin Muti'.
                23
363
        975-4
                24
381
        991.2
                25
                      Al-Kadir billah bin Ishak Muktader,
422
      1035-1
               26
                      Al-Kalos beemrillah Abd Jarfar A'bd-Allah bin Kadir.
467
      1074-75 27
                      Al-Muktadi billah Abu'l Kesses A'bdallah bin Muhammad bin
                          Kaim beamrillab.
      1094-5
                278
                      Al-Mustaghir billah bin Muktadt.
512
      [118-9]
                29
                      Al-Mustarshed billish bin Mustarhir
529
      1134-5
                30
                      Al-Rashid billah bin Mustarched
530
      1135-0
               31
                      Al Muktafi beamrillah bin Mustaphir.
      1160
                 32
                      Al-Mustanjed billah bin Muktuff.
                     Al-Naur la die Hah bin Mustanjed,
Al-Naur la die Hah bin Mustanjed, professes Shiah dootrines.
Al-Zahir beamvillah Muhammad bin Nasir,
BBB
      1170-1
                33
675
      1179-80 34
622
      1225
                35
623
                 36
                     Al-Mustamuer billah Abu Jafur Al-Manote bin Zahir,
      1228
      1242-3 37
                     Al-Musta sem billah Aba Ahmad A'bd-Allah bin Mustanger
In the year 656 (1258), Baghdad was beninged and taken by the Moghal Chief Hulagu, grandson of Jenghiz Khan, and the Khalif Musta'sem put to death.
```

[I have introduced among Prinsep's original extracts the Tables marked C. D. E. which have been compiled chiefly from the work of Hamzah Isfahani, for the purpose of illustrating more fully the annals of the Eastern provinces of the empire of the Khalifs, the successional history of which may chance to throw light upon some of the obscure dynastics of the conterminous kingdoms of India, whose epochs and transitions are so peculiarly identified with the objects of these volumes.

Table C .- Arab Governors of Khordadn: capitals, Merc, Nichapur, Bakhara.

(A'hdallak hin Tahir adopts the second, Isna'il hin Atmed the third.) A.E. A.D. A.W. 747 Abe Muslim. 700 Albusen bin Kahtabah. 702 Ghitelf bin A'th. 178 129 174 765 Ahu Daud Khalid hin Thruhim: 137 792 Hangah bin Matik, 757 Abu A'sam bin Sulum 177 140 759 A'toda) Jahia bin A'bdul pulyman 177 795 Alfael bin Yabyt bin Khalid. 142 179 143 700 Harim bin Humimah. 795 A'turu tan Hamel 763 Abd A'da A'bd ul Malik 179 796 Maneur bin Yarid bin Alkhi-144 760 Abo Makik Asid him A'beallah. 149 lid Al-muhdi. 768 Hazim (apain). 768 Humid bin Kahtabah. Juffer hin Yabyt. 796 A'lt bin A'lst bin Mahan. LAY 776 A'bdallah bin Humid. 192 800 Harsoma lun Aa'yan. 149 Ahu A'un. 102 800 Al Mamon (subsequently Kha-160 Mu'ad ble Muslim. Mr. 612 780 Zeher bin Almadb, 782 Alfest bin Snisjonin. 106 Altast bin Sald (nominated) 103 209 #16 Rujh bin Zubuk. 166 170 787 Ja'far hin Mahammad. Glums ben A'bad. TABLE D .- Tilherides. 819 Takir bin Al-Hussin, 230 844 Table big A'bdallah 15:34 822 Tulbah bin Tahir 248 BUS Muhummad bin Tahir. 829 A'bdallah bin Tahir. 213 TABLE E .- Sefferie. 250 873 Ya'kab bin Lais. 678 A'med biz Lair, definated by Leme'll biz Ahmed, the Stenion in a.t. 287, s. D. 909. 900 Tahir bis Muhammad rocces de Sistin (Prior ii. 285). Table LXIII.—Semenian or Samoni Dynasty of Bukhara, Khurdian and Persia. 874-5 1 Near his Ahmed, great granders of Shreke, a robber chief, appointed governor of Bukhkrii by the Khalif Ma'tamnd. 892 Abread him Isma'il. 295 907 3 914 4 Nasr bin Ahmad. 301 Nich bin Nayr. 331 0.43 A 964 A'bd-al-malik box Nah. 343 961 Al-Manade bin Nub. Nill ben Al-Manster. By some authorities this accession is placed 976 366 in Unjuh, s. in. 365. Al-Manyer ben Nüh, depend and blinded.
 A'bd-nl-melik bin Nüh. [Allek Khan enters Bukhara on the 10th of Di'ka'dah, a.m. 383.
 Isma'd bin Nüh, killed in the 3rd month of a.m. 305.] 387 997 389 999

composed in a.w. 330 = a.n. 961-9) معزة أبن الحسن الأصفهاني ا

M. Gottwaldt: Lipsio, 1848

Table LXIV.—The Ghazni Dynasty, with the colemporary Khalife whose names appear on the local coinage.

(From the ' Jour. Boy As. Soc.,' 1848.)

Khaiffs of Deptoted.	Appended Below of Armenius. A.R. A.R. A.D.			Elitys of Glosect.	Notices of various Dates assigned to Giberest Authorities.	
Al Muti' lillah Abdicates, Dy'l Ka'dah, 363	334	350	961	Alpiegia	Revolt 550, Russat al Sufa.	
Al Tav billah Deposed by Buha al dowlah (Sha- bin), 581	361	366	976	lehak	Alptagin's donth doubtful (Abd Ishak Brahim, "The	
Al Kadir billah		357	977	Sobaktigin	Bankal.")	
Died, Di'l Hajah, 422		887	897	Iem'fl	Bubuktigin's death, 886, Nasiri Jankhi; 887, Ahal Puraj; 36 (Shahan), Bauput al Sufi Ahal Pida, Khahant al Akh	
		180	998	Mahmid	Entitled Saif al dowlah, 384 takes possessing of Ghazni Rald al Awai, 355; become independent, 389.—Variou	
		421	1030	Muhammed .	multicrities. Mulmoid's death, Hald al Akhir 421, Abul Pida, Khalisast a Akhbar.	
Al Kaim beamril-		427	1050	Mam'6d	Muhammad's 1st reign, 7 mths. Nasiri. Mass'od's occusion 472, Nasiri: 421 (Srd Showal) Raugat al Safa, Khalisast a Akhoke:	
lah	422	4113	1040-1	Muhammad	(Rabi al Akhir), Abdi Fedh Muhammad's restoration 432, Waşiri, Abdi Ferni; 433 (Jumbi al Awal), Akhari, 433 Habib al Sair; 433 (Jumba	
		432	1041	Me644	al Awal), Gusidah. Muhammad 22nd reigu, 6 nchs. Nigiri. Médal, Man édi, 422 (Shabin), Man édi, 422 Nigiri, Ahal Faraj. Botrjinta Giazni, 432 (Tard Shabin), Abil Fidh. Accomion	
		440	1045	Many 64 11	434, Guridah ; 435, Ehalban al Akhbur; Ferishtah. Médad's death, 441, Nasiri Abul Furaj; 441(Rajah), Abd Fida, Guridah, Ramet a Safa, Khalisat al Akhbu Habib al Sair.	

Kindids of Bughatel.	Ac-	Access Access A.R.	District sion. A.St.	Kings of Glassi.	Notices of vertices Dates assigned by
		449	1045	Abdi Hasan A'li Bakk al santus	Musa'od II. and Abal Hasan A'li, length of reign, jointly, 2 martis, Klairi. Mana'dd II., 1 mouth, Guridals, Habet al Sair; 0 days, Taba- kat Akhari; 6 days, Ferishtab. Abal Hasan A'li, length of reign 2 years, Guridah, Khalkost al Akhbar; courly 1 con, II abab al Sair; 1 mouth, Tabahat
	1	440	1048	A'belah Hashad	Akhari
		144	1658 1662	Tuplied Ferokladd	Khalasas ai Akbbar 244, Abūl Vida. Length of Toghen'e rula, 40 days, Nasiri, Khalasat al Akh- bar, etc. Ferokhräd'e accou-
	d	601	1059	Deshie	Ascession, 463, Dr. I Kadah, Nagiri. Ascession, 461, Tarikh Mass'odi, Khairi, Abdi Fida, Jenahi;
Al Muktadi baam- Ulah Died, 15 Mubur-		H	Ц		400, Gardish, etc.
rim, 487 Al Mustaghar hillah Died, 16 Rahi al Akhir, 312		492	1600	Musc ed III.	Beskim's death, 492, coins, Nairt Gundah, Abil Maht- man; 481, Abul Fidu, Raugal
		60A	1214	Shireld	al Sufa. Gunidah, Jenahl, etc.
D.Waarahii ka		600	1112	Arslan,	Accemion, 509, Nasiri, Gust- deb, etc.
Al Mustacchid bil- lah	329	512	3116	Habrim Shib	Capture and suck of Ghazzi by A'la a) din Johanste, 647.
Al Mugtaff loamer- illah Iosug., 12 Dri Hujah, 530		547	1102	Khmrt	Accession, 552, Nasiri; 544, Oursdah; 548 or 550, Abd
Al Mustamjid bil- Iah		353	1100	Khuori Malik	Fidh; 547, Akhari. Khasra Majik finally dispussed of Ghazai by the Ghoris, 567, Ferishtah; force to surrender at Lahor, 583, Raugat al Sofh; 583, Akhari 582, Ferishtah.

See Table LXXII.)

TABLE LXV .- Sultains of the Seljuk Dynasty.

[The grandsons of Seljúk, a Turk of the tribe of Khazar or Ghar on the Caspian, Toghrul-beg and Jafer-beg Danid, were in the service of Mahmud of Ghazai. In a.m. 429 (1036), the former resisted Mass'ad, and received investiture as Suitan of Khoran from the Khalif. The three branches of the Seljúk family settled in Hamadan, Kerman, and Rum or Anatolia.—Marsdon's 'Or. Num.']

```
L-SELVER DYNASTY OF TRANS OR PERSON.
429
       1037
               Buku-ud-din Abuthalob, Tughrel Beg, Mahmud.
               Alp Arslan, Absahajia, Aus ud-din.
Malekshah, Mosz ud-din abul feteh.
455
       1063
465
       1072
               Barkiarok, roku ud-die abalmenaffer khrim : in his reign the empire was
divided, he retaining Penna; Ghila nd-din Mahammad, Syria and Ader-
485
       1092
                bijan; and Mour od-din burban sanjiar, Khorteka and Maverninahr,
     1104
               Malek Shah, his son, deposed.
498
498
       1104
               Muhammad, chown Sultan.
               Mahmud, Mughiath ad-din Abul Kasem.
511
       1118
525
       1131
               Dahud, his son, deposed.
               Masa'dd, Ghiath ud-dix, deposed.
526
       1131
       1132
               Toghrol, son of Muhammad.
627
520
       1154
               Masa'dd, re-established
               Matek Shith, oon of Makmid, deposed
547
       1152
              Mahmud, grandson of Bograkkins, at More.
Muhammad, his son, at Hamadan.
Sulaiman Shah, killed.
547
       1152
852
       1107
554
       1169
              Arelas Shab, see of Togbrel, was of Muhammad
555
       1160
871
      1175
              Toghwal Shah, his non-
                           IL-BELICE DYNASTY OF KERNAN.
433
       1041
               Kadberd, or Karat begh, installed by Toghesi begh.
              Sultan Shah, his con-
465
       1072
       1074
               Turan Shah,
467
489
       1098
              Iran Shah
       1100
              Areling Shiah
494
536
              Moghisah ud-din Muhammed
       1141
              Toghral Shah
551
      1156
866
       1169
               Baliram, Arelan, and Turks Shak disputs succession.
               Muhammad Shish, disposansed by Malok dinar 583-1187.
              -SELICE DYNASTY OF BEW OR ANATOLIA. CAPITAL SCORIUS.
470
      1077
              Sulaiman bin Kothenish
                    Interrognum of seven years.
478
      1085
485
      1092
              Dand Kilij Arslan bin Solaiman,
501
      1107
              Salsan bin Kilij Arslan
              Mass od bin Kilij Arslân.
A'zz-od-din Kilij Arslân bin Masa'6d, destroyed first crossée army.
Kuth-nd-din Malik Shâh bin Kilik Arslân, deposed.
Ghiha-nd-din Kai Khoard bin Kilij Arslân, deposed.
      1116
551
       1156
584
      1118
588
      1192
596 F
              Rukn-ud-din Sulaiman bin Kilij Araban, dependi.
600
      1203
              Kilij Arelan bin Rukn-ud-din, deposed.
              Ghisa nd-din Kai Khuuru (restored).
A're-od-din Kai Kue hin Kai Khuset.
600
      1203
697
      1210
616
       1219
              A'la-ud-din Kai Kobad bin Kai Khuru.
              Ghins-ud-din Kal Khusen him Kal Kobad, invaded by the Moglini.
634
      1236
                  Princes, descendants of Jenghiz Khan (See Table XLIX).
643
      1246
              A'zz-od-din Kai Kaus, in nominal conjunction with his brothers, Ruka-
                  nd-din and A'th-ud-din, sons of Kui Khusré.
              Bukn-ud-din Kilij Arelin.
Ghisa-ud-din Kai Khussu bin Rakn-ud-dia.
      1257
      1267
              Masarid bin A'zz-ud-die Kai Khun, died 788-1308.
```

TABLE LXVI .- Atabogs of Irak, roling Ministers under the later Princes of the Soljukian race.

MONTE BRANCH.

521 1127 I'mad-ud-die Zengi.

Salf-cat-din Ghiat hin Zongi. 540 1145

544 Kuth-ad-din Mauduh bin Zengi. 1149

565 1170 Al-Mu'iz Sittl-ud-din Ghiari bin Medad.

576 1180 A ra-ud-din Mose ad his Medod.

Nur-coll-din (Bedr mil din) Araban Shah bin Mast'ud. Mulik al-Kabir A'sz-ud-din Mas'uud bin Nur-cal-din, 589 1193 607 1210

514 1215 Ner-ud-din Ardin Shith him Kahir. file 1219

Nauz-ud-din Mahmod bin Kahle. 519 1222 Al-Malik al-Rahim Hedr-ad-din Labi.

557 1259 Al-Malik us-Salah Isma'il bin Lola.

SALES (ALSPEO) WRANCH.

521 1127 Imad ud-die Zengi

Malik al-A'labil Nor-ad-din Mahmad bin Zongi. 540 1145

And 1174 A'l-Mulik as-Salah Jose 'd bin Nor ud-die Malenad.

577. 2161 I'med od-din Zengi bin Kuth ad-dia hin Medfal, delivered Haleh to Salah-ad-din or Saladin.

1107 Kuth-ud-din Mulcamund bin Pund-ud-din, at Singlera-

TARLE LXVII .- Turosman Ortokila Princes, reigning in Mardin and Minfarkin, Syria.

Il Gharf his Ortok, wared Jerusalem and Mardin,

1192 514 Hustra ad-din Timoreich bie T! Ghiat.

Najm-od-din Abu'i Musetter Albi bin Timertich. Kuth-ud-din II Goast bin Albi (er Alpi). 1152 547

672 1176

Humm-od-die Yulck Ardin bie Kuth-ad-din. 086 1154

607 Malik-ul-Manyde Nagir-usbelin Octob Aralia bin Keth-nd-dia. 687 Mulik us-Swid Najmond-din Glokel bin Nitstroad-din Ortok. 1239

Mulik ul-Museffer Kara Araka kin Najm-ud-din. Stams-ud-din Dhist. 663 1255

651 1201

1298 Malik nl-Manyiir Nujm-nd-din Ghani.

712 1812 Albi Matik al-A'adil I'mad-ud-din A'li.

1312 712 Malik on Salely Sharmend-din Salah.

OUTDITIES RESURES AT AMED AND RESIDEA.

490 1097 Sokmon bin Ortok:

1104 Itrahim bin Sokman.

522 F 1128 Rukn ud-din Didd.

5442 Fakhr mi-din Kurk Arshin bin Dickl.

Nile ud-din Muhammad bin Kara Ardan. 562

1193 Kuth-nd-din Sokman hin Muhammad. 597 1200

Malik sa-Saleh Nazir ud-din Mahmud 618 1221

Malik al-Mass'dd bin Malik ss-Salah Mahmud. Malik al-Kamil, nephew of Salah ad-din (Saladin), took Amid. 1231

TABLE LXVIII .- The Mogal or Moghal empire of Tertary. Capital

1206 Jengiz Khan, or Timagin declared emperor, on the Open river.

1227 Till Khin, his een, regent during interregnom.

Oktai Elain, fourth son of Jongfr, elected by his father's will. 1241 Touraking Khatue, his wife, regent for four years.

1246 Gaink Klike, see of Oktai.

1248 Ogsulganmish, his wife, regent on his death. Mangu Khan, died in 1359.

1251

The coupirs of the Moghuls was subsequently divided into different branches in China, Pensia, in Kapehak, etc.

Kublai Khun, encorded in China, and founded the Yuen dynasty. Zugetai Khin, son of Jengus, founded Zegatai beauch in Transoxiana.

Tushi Khan, another son, founded Kapehak dynasty.

(For these dynastics of the Tartars, and those of the Huns, Chinese, etc., see De Guignes' 'Histoire des Huns."-J. P.)

Table XLIX .- Mockel-Tester or Il-Khanion Dynasty of Parisis.

On the death of Mungil Khin, one of Jungis Khim, the severeignty of Persin was essumed by his brother,

687 1269 Holand or Hulbly II-Khan.

663 Abligh, or Abble II-Able, his con-1264

Nikudar Ogler, seventh sen of Hülübü, on senversion to Mulazona-dunism, took the name of Ahmad Khan. 681 1282

Arghou Kaon, son of Abaka 683 1254

890 1291 Rai-Khutd Kaan, ditte.

694 1294

Baide Kaka, son of Targhib, 45th son of Helikke. Obiaho Kaka Maharshi, elsket son of Arghin Ghin-rel-dra Au-gapta, Rhudabarshib Mahanamed, Abd Sa'id Bahader Khan, his son, on whose death in The dynasty become dependent. 694 1294 703 1303

716 1916 738 1335

Angalairvan. Invasion of Taimer, or Tameslaus. (See below, LXX). 747 1346

TABLE LXX .- Maghal Sultains of Khordedn.

Kuth-ud-din Amir Timus Güngün Shhibkirka (Tumerlane) conquered Bughdad, invaded India, etc. 1363 795

held Sultan, me of Mirts Shih, depond. 907 1404

Shikh Rukh, Beblidge Sultan.

850 1447 Ulugh Bog, Malik us Sa'id, of Khivu-

A'boul Latti Mirra, his son 869 1449

Baber Miran, Sultan Abul Kusun. H64 1460

Mirse Shih Mahmiid depound HISE 3.650 And So'id, we of Abound. (See Maghule of India.)

108 1450 Jisdighiar, grandom of Shab Rokh

Sultan Hosain Mirat, granden of U'mar.

1505 Bull' sreaman, his son, took refuge with the Sulls.

TABLE LXXI.-Kings of Persis of the Sophi, Suft, or Saft Race.

Juneid, a descendant of Saft ad-cits, a Sophi or mostic philosopher, being expelled from Aderbijan by the Turkoman ruler Johan Shith, established himself in Shirwan, His grandson

Isma'll al-Sufi bir Shaikh Haidar, quited conquered provinces and 1499 assumed sovereignty of Persia and Khurdahn, 908-1502.

0.22 1525 Shah Tuhmasp bin Isma'il.

Shah Isma'il II. bin Tulenkop. 1575 Muhammod Khudahandah bin Takmasp. 985 1577

Hamzah bin Mulamund, or Amer Hams. 994 1685

994 1485 Shah Isma'll bin Muhammad. Shale A'bloks him Mulcasomail. 994 1685

1629 Shah Safi bin Saft Mirra bin A'bbas. 1039

```
1052
        1643
                 Shab A'bbas II, bin Shab Suft
        1666
                 Solsiman bin Shah A'bhas.
1077
                 Shah Husain bin Solaiman, last of the Safts.
        1691
1106
                 Shah Tahmasp II, hin Shah Hussin, abdicated.
        1723
                 Mahmid, an Afghao, invaded Persia, and asurped.
1135
1187
        1735
                 Asheaf, an Afghan, defeated by Nadir Kuli.
        1730
                 Shih Tahmlop, nominally restored, murdered 1737.
1242
        1732
1145
                 A blue III, her Tulemany.
                 Nadir Shah, or Nadir Sultan, proclaimed king.
A'falil Shah, toplow and murderer of Nadir.
Defahim, his brother.
1148
         1736
1160
        1747
        1748
1161
1163
        1749
                 Shall Rukh, billaded, driven to Ehurtetm.
                 Solaiman, or Mirra Seld Muhammad.
1163
        1740
                 Ism'nil bin Said Mustala, under regency of A'li Murdan.
Muhammad Karim Khim Zendi, held power under title of Wakit.
Zeki Khin, neurped on his death, murdered by
Abit'l Fath Khin, son of Kerim, blinded.
        1750
1163
1173
        1760
        1779
1193
        1779
1198
1193
        1770
                 Sadik Khan, brother of disto.
                  A'll Murad Khan assumed the title of Wakil.
                 Ja'far Khan, see of Safik, murkered.
Luff A'li, his son, defeated by
Agha Muhammad Khan Kajar, as cannob.
        1785
1190
1203
        1789
        1794
1209
        1707 Fath A'll Shah Kajar, died 1834.
1211
```

TABLE LXXII. List of the Patien, Afghan, or Ghori Sullane of Hindustan. Copyriat, Dibli.

```
(Corrected up from the coins of the 'Pathier Kings of Dikh,' by the Editor.)
                 Mu'is-ud-diu Muhammad bin Sam (5877) (lat Dynasty).
589
     11931
                 Kath-ad-din Al-boy.
603
     1206
             胨
     1210
                 Aram Shah.
607
607
     1211
                 Shaur-ud-din Alturah.
                 Ruka-ml-dia Firm 5548.
     1236
             a
638
634
     1736
                 Sultan Hiriak.
                 Mu'iz-of-din Habram Shab.
437
     1240
             7
                 A'la-nd-din Mass'tid Shah (11)
639
      1242
                 Natir-ud-din Mahmold (12).
643
     1946
684
      1200
            10
                 Ghian-mi-din Balban (5).
                 Mg'tz-ad-fin Kaikubad.
            11
686
                 Jalal-ud-die Firme Shah, Khilji 1 (2nd dynasty)
            32
699
      1290
695
      1296
            13
                 Ruku-ud-din Ibrahim (9
                 A'th-od-din Molesmond Shiah (12).
      1296
695
            14
                 Shabab-mi-din U'mar (10).
            15
      1.316
715
715
      1916
            16
                 Kuth-ud-din Muhasak Shah (1).
                 Nasir-ad-din Khuerd.
720*
             17
                 Ghias-ul-din Tughlah Shūb (3rd dynasty).
Muhammad hin Tughlah (3).
             16
720*
725
      1325
             19
      1351
            20
                 Firez Shah bin Salar Rajab (1).
752
                  Tughlak Shah II
      1388
            21
790
                  Abdbaky Shah II.
            22
791
      1389
                 Muhammad Shāh bin Firsti Shāh.
```

¹ The dates of accession, as converted into the years of the Christian era, are calculated from the months in each Hijrs year in which the several monarchs are determined by Sa'id Ahmed to have exceeded to the throne. The small figures in brackets indicate the months of each accomion. The dates marked with a star are derived from coins, and do not coincide with our eative author's historical deductions.

See vol. i. p. 326.
 Ziá Baruni saya 688 4. n.

```
795
             24
                  Sikandar Shih.
795*
                  Mahmud Shih hin Muhammad Shih (Timur, 800)
             25
797
                   Nugrat Shah Interregaum fooins dated 797, 798, 800, 801 and
             26
                     807), Mahmid restored, 802.
816 1413
             27
                  Dunlet Khan Loci (1).
                   Khip Khan Sa'id (4th dynasty) (3).
817
      1414
             98
                  Muharak Shih II. (6), coins extant with the date of 935 a.u.
Muharamad Shih bin Paral Shih (7).
824
      1421
             29
837
      1434
             34
                  A'ilam Shih (?)
Bahlól Lódi (öth dynasty) (3).
Sikandar bin Bahlól (?)
849
             31
855
      1451
             32
894
             33.
                  Ibrahim bin Sikandar (Bahar, 952 a.w.) (11)
      1517
923
             54
937
      1531
             35
                   Muhammad Humayan, Mughul (5).
                                                          See Table LXXX.
946*
             36
                  Partst-ud-din Shir Shih, Arghin (!)
                  Islâm Shâh (3).
Muhammad A'adil Shâh (6).
952
      1545
             37
960
      1553
             39
                  Thealtin Sur (6).
      1000
                  Sikandar Shan (Humbyon, 982 a.h.)
      1855
             10
```

Table LXXIII.—Patan or Afghen Sultens and Governors of Bengal. (Purbl dynasty.) Capital Laksanti, or Gaur. (Mannoun.)

```
Muhammad Bakhriar Khilija, governor of Berkr under Kuth ud-din.
     1203
    1205
            Muhammad Sherka A'ss ed-fin.
     1208
            A'll Mardan A'la rd-din.
600
            Hasim ed-dia Ghias ed-dia.
609
     1212
               Nisir edolin bin Shams edolin.
524
     1225-27
            Makendel bin Shame od-din, became finition of Hindúttion,
627
     1229
            Toghau Khin, governor under Sultan Ririah.
634
     1337
643
     1248
           Till, or Tail.
642
     1244
            Timer Khan Acros.
644
     1346
            Buil ed-din
            Ikbtile od-din Malik Ydebog.
651
     1233
656
     1207
            Jula) od-din Khani.
607
     1268
            The od-din Arelia.
            Muhammad Tator Khan.
609
     1260
            Mais ad-dio Turbral.
676
     1277
            Natir ed-din Bughra (by Dow written Kern), considered first sovereign
681
     1282
              of Bongal by nome.
     1825
            Kade Khan, vicerny of Muhammad Shah.
725
741
     1540
            Fakhr ed-dis Sekandar assumes independence,
743
     1342
            A'la od-din Muharik
744
     1313
            Shame ad-din Muhammad Shah Dhae Bungurah.
            Sikundar Shiik bin Shens ed-din.
760
     1358
709 1387
            Ghian ent-din An'um Shah bin Sekandar Shah.
     1373
774
            Saif od-din Sultan as-Sulatin bin Ghias ed-din.
     1383
            Shams ad-din ber Sulatin as Sulatin.
787
     1385
            Kansa or Khansa, a House.
794
     1392
            Jalai ed-die Muhammad Shith (Chitmel bin Khansa).
            Ahmed Shah bin Jakil od-din.1
     1409
830 1426-7 Nair Shih (descendant of Shaus ed-din Filts Bungarah).
862 1457
            Barbak Shah bin Niner Stalls.
879 1474 Yosaf Shah hin Barbak Shah.
```

¹ [See also Ayin-l-Akhari, vol. ii., p. 16.]

² Marsden remarks in a note: 'The coins show that the historical dates about this period are pressures; but the means of correcting the mistakes are not sufficiently ample.' P. 562 'Numisusata Orientals.'

1473

180

887 1482 Sikandar Shah. 887 1482 Futh Shib. Sháh-sádah, a euro Firez Sháh Habshi. 896 1490-1 a expense 897 1491 1494 Mahmad Shah bin Pires Shah. Muzasher Shah Habebi. 899 900 1.495 903 1428 A'la ed-din Hussin Shah bin Syel Ashraf. 927 1521 Nusrat Shah hin A'la ed-din Hussin. 940 1634 Mahmad Shah bin A'la ed-dia Hussin, defrated by 944 1537 Forst of-dix Stric Shah. 945 1638 Hemilyon held court at Gazr, or Jenstabad. Shir Shih again. 946 1539 942 1645 Muhammad Khan 962 1655 Khiar-Khas Bahadur Shah bin Muhammad Khan. 968 1560-1 Jalai ed-dir bin Mulamesal Khan. 1565-4 Solaiman Kurkni, or Karekni. 971

Bayarid bin Solaman.

TABLE LXXIV .- Kings of the East, or Sharki Dynasty of Jaunpur.

1673 Dand Khan big Sclaimin, defeated by Akhar's forces.

(PRESENTARL)

798 1394 Khwajah Jahan, Subahdar of Kanani, Anda, Kora, and Jamapur, assumed independence. **BO2** 1396 Muharik Shah, his adopted son. Shame ud-din Ibekbim 80/4h Sherki. 804 1401 844 1440 Mahmad Shah bin Ibraham Muhammad Shab. 862 1457 862 1457 Hussin Shah bin Mahmud bin Dirahim Shah. 881 1476 assix refuge in the Court of 'Alà ud-din of Bengal, where he died in 1005, A.H.

TABLE LXXV .- Muselman Kings of Kushmir. (FERERUXAU.)

Shams ud-din, Shah Mir, minister of Semadeva. 727 1326 Jonathid, expelled by his youngest brother, A'lt Shir, A'lt mil-din; a severe famine. Shahab ud-fin; Sumuk invades Sind. Kuth ud-din; defrate Rhip of Leaker. 1349 752 1351 765 1368 785 1380 Sikurdur, Butaltakan; anbesyts Hindû religion. Amir Khûn, A'll Shâb; civil wars; expelied by Zain ul Al-uel-din, Shâd) Khûn, his brother. Haidar Shûb, Haji Khûn. 799 1396 819 1416 836 1422 877 1472 878 1473 Hasan Skah. 891 1486 Muhammad, a child; civil ware. Fath Shah usurps the throne. Clockle tribe converted to Islam. 500 1496 911 1306 Muhammad regains the throne; Thrakim usurps-1535 942 Nazuk Shah; conquest of Emperor Humbyon, 948-1548. Mirza Haldar Dogalat, governor under him; interreguum, and dissen-1541 948 SHIPS. 1552 Ibrahim II., ect up by Danlat Chakk : earthquake. 963 1.555 Ism'ail, set up by Gliksi Khan's party. 964 1556 Habib, raised by Dunlat Chekk. 971 1563 Honin Shih Chakk: embossy from Akber. 1578 Your Shah Chakk, expelled by Gohar Chakk.

zenezation of Kashmar to the Moghul Empire by Akbar. BHR 997 1588

TABLE LXXVI.-Kings of Sind and Totta.

700 Belochistan invaded by Hijal, governor of Basrah, and Muhammad Klaim.

The Austries, the Sumeras, and the Summas or Jams, successively, gain the ascendancy, than a Dihli governor,

1203 F Nisir ud-din Kubückuh, becomes independent.

TABLE F.

I have compiled the following list of the Arab Governors of Sind from Belidori,1 collated with and improved from Sir H. M. Elliot's excellent work on the Arabe in Sind.]

Muhammad hin Kneim.

Yurid bin Abo Kubshah (appointed by Sulaiman).

06 3 Habib bin Muhalab.

A'mrū bip Muslim. 5 Junid bin A'hd al rahman (under Hishkm).

107 Tamin bin Zaid.

> Al bakam bin A'ohnab. 8 A'mra bin Mahammad. (Huleiman him Hisbam - Aba Al-Khuttab)

Under the A'bhieldes. 9 A'bd al rabman bin Muslim, Al A'bdi, defeated by Manuir bin Jambiir, the local Governor under the Usemath Khulifs.

10 Mass bin Ka'ah, Altamimi' overy owers Manster. (The Tobiat al Kirkm attributes this victory to Dand bin A'h.)

11 Hisham bin A'med. 140

12 A'mar bin Haft, Hankemard."

164

Dand bin Yurid bin Hatim. 184 14

15 Bashir bin Dand (about 200 a.u. Beimud),

213 * 10 Ghussan bin A'blid. Milm big Yahin, Al Bermadi (disa in 271 a.st.) A mekn bin Mass.

Yakub bin Laig. 257

Subsequent division of Sint into the two principalities of Multin and Al-Manadrah.

TABLE LXXVII .- The Jam's Dynasty of Sumana, originally Rajputs.

1936 Jam Afra; tributary to Tughlak Shah.

740 1339 Jam Chuban.

754 1353 Jam Hanl; asserted his independence.

Timaji, his brother. 782 1380

782 1380 703 1391 Jam Salah ud-din , converted to Muhammedonism.

703 1391 Jam Nieten ud-din. 796 1393 Jam A'li Shir.

1 ['Abu Ja'ulir Ahmad bin Yahya ibn Jahir al Bulidori,' ob. inter 256 and 279 A.u. Ibn Khuldun, p. 438. Reinaud 'Fragments Arabes et Pevsuss,' inédits relatifs à l'Inda.]

Appendix to the 'Arabs in Simi ! Cape Town, 1853. Elliot quoting 'Tobfat

Transferred from Sind to Africa in a.n. 151. Reinand, p. 213]
[a,n. 160 to 161. Reinand.]
[Gildemeister quoting Abelfiels ii. 150.]

"Beladori." عربن عبد العزيز الهباري (Killed by

- 812 1400 Jam Giran, son of Timaji. Jam Fath Khan.
- 812 1409
- 827 1423 Jim Tughlok : invaded Gujerkt
- 854 1450 Jam Sikander.
- 856 1452 . Jam Sungar, elected.
- 864 1460 Jam Namba, or Nirám ad-din; cot. of Hasan Langu.
- Jam Feruz; the Turkban family become powerful, 1520. 894 1492
- Shith Bug Argun occupies Bind. 92710/20
- Shah Housin Arghun. 930 1523
- 1554 Mahmud of Bhakur.
- 982 1572 Akfor annuges Single to the Empire.

Table LXXVIII.—Bahmani Dynasty of Kalbarga, or Absunabad.

- A'là sel-din Hann Shib gauge Bahmani, severat of a brahman in Muhammad Tughlal's court, subdeed all the Dakhan
- Muhammad Shah B. I. (Ghari), makes tributary Telingson and Vijyamigur. Mujahid Shah B., killed by his saude. Dand Shah B., assessmand by his misses. 1358
- 1375
- 1378 1378
- Mahmud Shah I., youngest eve of 'Ala; pateon of literature. Ghile ud-din; blinded and dethroned. 1397
- Shama wi-din Shah; purpose to Lalchin, the Malik Nails or commt. Fires Shah, married daughter of Vilyamagar rips. Devu Hay. Ahmad Shah Wali (Khao Khaman); was with rajon. 1397
- 1397
- 1422
- A'la nd-din Shah II., war with Viyonager. E43ă
- 1407
- Humayun the crust; general incurrection.
 Nictor Shah; cajus of Tolingum and Orions powerful.
 Muhammad Shah II.; Malwa power increasing.
 Mahmad II.; lossa Kankan, Sipapur, and Revir. 1461
- 1465
- 1482 LOIS
- 1.520
- 1022
- Ahmad Shah III.; under control of Amer Berid, minister.
 A'la mi-din Shah III.; deposed by ditto.
 Wali Ullah; murdered by ditto.
 Kallam Illiah, Bahman dynasty of Ender (Ahmadáhád) terminates, and is succeeded by that of Amer Berid at Ahmadáhád. 1898

Tante LXXIX-Burid Shift Dynasty of Bidar, or Ahmadehid.

- Rasim Berid, a Turki or Georgies slave.
- 1504 Amir Borid; hold eway over position kings.
- A'là Berid Shah; first who assumed regulty. £549
- Ibrahim Berid Shah. 1.562
- 1.669 Karim Berief Shah,
- 1872 Mirch A'll Berid Shids; depeated by his relative,
- Amie Berid Shah II. 1009

TABLE LXXX .- Farust Dynasty of Kandeish. Capitale Talnir and Bürkännler.

- Malik Baja Faruki, receives the jagir of Talair, from Pinor. 1379
- 1399 Malik Naser or Nastr Klein Excuse, builds Burhampter.
- Mirka A'sil Khan Furuki, expols Dakhanies from Khandeish. 1457
- 1441
- Mirko Muhérik Khén Furuki ; peacetal roign. Mirko Ghan, or A'dil Khin Furuki I. ; tributury to Gujerid. 1457
- 1503
- 1010
- Dand Khan Furuki, tributary to Milwa.

 A'zim Humbyun, or A'dil Khan F. II.; grandsen of Gujerut king.

 Mirha Muhammad Khan Faraki, succeeds to Oujorit throne. 1520
- 1535 Miran Mubarik Khan Furuki, beether; was with Moghels.
- 1.565 Mirán Muhammad Khan Faruki, attack from Dakhan.
- Rája A'll Khân Faruki , acknowledges Akbar's supremucy. 1676
- Bahtelur Khan Paruki ; delice Akbar ; is impresented at Gwillion.

TABLE LXXXI.-Kings of Malwa. Capitale Dhar. Mando or Shidolahad

1387 Sultan Dilawar Ghori, governor, assumes title of Shah, 1401.

1405 Sultan Hoshang Ghori, or Alp Khan, his son, defeats Narsenha Ray.

1432

Giazzi Khān, er Sultān Muhammad Ghöri ; poiemnel. Mahmed Khān, er Sultān Mahmed Khālji. Rāna of Chiter, Kumhho pre-1435 sents tanks could in his own name, 1450.

1469

Sultan Guin ud-din; penerful reign. Sultan Nasir ad-din; his son, Shahab ad-din, revolts. 1500 Sultan Mahmad II., younger con, last of the Khiljin. Malwa incorporated with Gujerat kingdom. 1512

1654

1666 - annexed as a province of Aktor's Empire.

Table LXXXII. - Kings of Gujerat, Capital Patton.

1391 Muzaffar Shah L.; appointed vineray by First Tughlak, a.u. 793, assumes independence in a.u. 799-a.n. 1296

Ahmad Shish I., gravdou, builds Akmedhlid and Ahmadnagar. Muhammad Shish, surnamed Karim, the merciful. 1411

1443

1451

1469

Kuth Shah; opposes Malwa king, and Chine rajo Kombha. Daud Shah, his uncie, deposed in favor of Mahmod Shah I. Begarra; two expeditions in Dukhan. 1450

1511

Munaffer Shith II.; was with Rhan Sauge. Strander Shith, assessmented. Nasic Khin, or Mahmud Shith II., displaced by 1836 1826

Bahfidur Shah, investes Maiwa; murdered by Pertuguese. Mirka Muhammad Shah Faruka, his pephew, of Malwa. Mahmid Shah, out of Latif Khan; released from prison. 1026 1610

1038

1889 Ahmad Shah II., a sportons but not up by retointer.
1881 Muzaffer Shah III. Habitd, a suppositations out of Mahmad.
1872 Muzaffer Shah submits to Akbar, and in 1883 Gujerki finally becomes a province of Akhar's empire.

TABLE LXXXIII .- Kings of Multin.

This province was first conquered by Muhammad Kleim, at the end of the first contury, Hijes. It was recovered by the Hinder on the decline of the Obscul power. After Muhammad Ghorva subjugation, it remained tributary to Dikh until

Sheikh Your established an independent menarchy. 847 1448

1445 Ray Sehra, or Kuth ud-din Housen Langu I ; expelled the Sheikh.

998 1502

Mahmud Khin Longa; his minister, Jan Bayerd. Housin Langa II.; overcome by Shih Housin Arghun. Under Humkyun, because a province of the empire (see below). 931 1624

Table LXXXIV -I mid Shahi dynasty of Borne. Capital, Ellichpur.

1484 Fath Ullah Israd Shah, Bahmani, governor of Berar, became independent.

A'la-ud-din Imad Shah, fixed his espital at Garal.

1628? Daria Imad Shah, married his daughter to Hossin Nisam Shah.

1560? Burban Imad Shah, deposed by his minister.

1568 Tufal Khan, whose neurpation is opposed from Ahmedingur, and the family of Imad Shah and Tufal extinguished.

TABLE LXXXV .- A add Shahi dynasty of Bijapur.

- 1489 Your Kicks, see of Amurath II. of Anatolia; purchased for the body guard at Ahmadahad.
- on the defeat of Dustir Dinir assumes independent severeignty 1501 as Yusaf A'udil Shah.
- 1511
- Isma'il A'adil Shah. Gen taken second time by Portuguese. Mullo A'adil Shah, a profigute, deposed and blinded by Fornhies A'adil Shah I. Minister Blamraj assumes throne of Vijyanagor. 1554 1535
- A'li A'adil Shah; war against the Hinda raja-Deshim A'adil Shah II. Chand bihi regret. 1567 1579
- 1620 Muhammad.
- A'll A'AdE II. 1460

Truck LXXXVI.-Nixim Shahl dynasty of Ahmadnagar.

- Abund Nickes Shih, Bloirg, see of a brahuse of Vijyanagur; throws off 1499 Bulmuni yoke-
- 1553
- Burhan Nixan Shak ; petty wars with Berle, etc. Husain Nixam Shak I.; confidency against Vijyanagar. Mustaga Nixam Shak, Diwana, conquers Berar; anothered by 1565
- Mirku Husain Ninkm Shah, put to douth. 1568
- Ismaril Niram Shah, reased by Jumai Khan Mehdevi. Burhan Siram Shah II ; countracts Koria feet. Burham Niram Shah, killed in buille. Ahmad, son of Shah Tahir, raised by chiefs; pressoned. 1590
- 1590
- 1.594
- 1594
- Babadar Nizam Shah, promised by Casad tales party; imprisoned by Aklar. Murtors Nizam Shah II., Nizam Shahi dominions full under the control of 1595
- 1.598
- Malik Amber. 1697

TABLE LXXXVII .- Kuth Shidh Dynasty of Golconda.

- Sultan Kuli Kuth Shak, a Tarketka, assemed title of king. 1512
- Januahid Kuth Shill, longues with the Ninter Shillis. 1543
- Deshim Kath Shith, joins heagus system Haurij. Muhammad Kun Kuth Shith, bailds Dingmayor or Halderibid., died 1586. 1550 1581
- Abdallah Kuth Shah, tributury to Shah Jahan. MILL
- Aba Husan, imprisoned at Daulatablid. 1,672

Under Aurangelb, the southern recognitie were formed into six Subaha, viz. : I, Kandeish; 2, Aurangabad; 3, Bidar; 4, Berte; 5, Haisterblad; and 6, Bijapur.

TABLE LXXXVIII .- Moghad Emperors of Hinduston.

(Pourth descendent from Tunnity of Tamorlane, see Table LXX.)

- Babar, Zahir sel-din Muhammad (meunicé throne 9th June) 899 1494
- Humayon, Nupir vil-din Muhammad (28th Jan.), is 946 defeated by 937 1531 Shir Shah.
- founded the Mogbal dynasty of Dibli. 963 2554
- Akber, Abil fath, Jalid od-din Muhammad (17th Feb.) senselidated 963 1556
- Jehingir, Abel Manuffer Nur ad-dia Malaummai (7th Oct.) 1605
- Shahjahan, Shahab sal-din Ghazi (9th Fob.) 1628 1037
- Aurangail A'laugir, Aldi Muzaffar, Mahi ud-din (24th Feb.) 1659 1008
- A'zim Shah, Muhammad Shaled (3rd March). 1797 1118
- 1118 1707 Behader Shah, Shah A'alam, Anol Muzefer Kuth ud-din (23rd Feb.)

Jahándár Sháh, Mú'iz ad-din (11th Jan.)
Faruhbár, Muhammad Shahid Markum (11th Jan.)
Rafla' ad-darjat, Shams ad-din (18th Jan.), (Abú berkát.)
Rafla' ad-daulat, Sháhjahán Sási (26th April).
(Muhammad Nakosir), (May).
Muhammad Sháh, Abdi fath Násir ad-din (28th Aug.)
(Saltan Muhammad Ibrahim), (4th Oct.) (Sultan Muhammad Ihrahim), (4th Oct.) Ahmad Shah, Abul Nase (20th April). Alemgir II., A'siz sel-din Muhammad (2nd June). (Shah)ahan), (19th Nov.) Shah A'lam, Julai mi-din (Miren Abdallah, A'li Gohar), (Nov.) (Muhammad Badar bakht).

TABLE I.XXXIX .- Nucleus of Holderabad.

Akbar II., Abil Nasir, Mosks ad-din Mulammad (3rd Doc.)

An.

1717 Asaf Jah, Nizam-ul-Mulk, usurped power on Assangsib's death.

1748 Nizir Jang, essaninabel.

1757 Mussilar Jang, ditto. Salahat Jang, killed by

1763 Niziwa Ali, his brother.

1863 Sikandar Jish. Reglish interference, 1867.

Tanza XC .- Nundbe and Kings of Oude.

THE RED.

Sa'dat A'll Khan of Kherasko, Nuwth Varir, under Muhammad Shih, Sadlar Jang, ditto.

1766. Shuja' of Daulah, ditto.

1776. Kaof of Daulah.

1787. Spurmon son, Vastr A'll, displaced for Spurmon son, Vastr A'll, displaced for String Sa'dat A'll, brother of Shuja', Vastr of Hindustin.

1814. Ohior od-die Heidar A'll, Shih Zaman, king.

1827. Nantr od-die Heidar.

1827. Nantr od-Daulah — Amjad A'll Shih.

1847. Wajid A'll Shih.

ADDENDA TO USEFUL TABLES.

The paper on the Geld and Silver Currencies of India (pp. 69 to 92) was compiled, set up, and privately circulated in type in the month of October, 1856. As the period that has since clapsed has proved so calamitously exceptional both as regards the internal tranquillity and external commerce of the country, it has been decoded unnecessary to rocaet the memorandum, or to do more than complete the details as far as possible up to the present date, by the subjoined additional returns.

Page 81 .- Value of Gold and Silver coined in the Mints of the three Presidencies for 1855-56.

Cancurya.	HADERS.	Bounay.	
Value in Co.'s fin.	Value in Co.'s Se.	Value in Co,'s Rs.	
Gold, 16,78,634 Bilver, 3,87,62,323	Bilver, 54,52,318	Silver, 2,55,21,952	

Page 82.—Imports and Exports of Treasure (Gold and Silver) in each of the Presidentian of India, for 1854-55, 1855-56, 1856-57, at 2s. the Rupee (from a Parliamentary Return dated April 16, 1858).

-		BENGAL		MADMAN					
THAR.	Jupans.	Experie.	Not Imports.	Imprirte.	Equa.	Net to	g. Net You		
1834-65 1855-56 1856-67	645,123 5,479,554 6,428,572	291,504 112,536 529,425	253,307 5,367,318 5,899,048	194,001 852,486 1,157,488	571,814 79,739 78,477	781,7 1,059,6	36 Huns		
		BOHBAT.			30	765			
YHAR.	Imperts.	Saporto.	548 Imports	Laguer	(e D)	parte.	Not keep.		
1864-86 1866-86 1856-87	1,188,913 4,968,947 6,847,687	353,654 417,910 644,525	4,451,037	11,301,	288 66	87,034 91,176 63,426	761,223 10,700,113 13,160,270		

Page 84.—Falue of Imports and Exports of Merchandies, from 1854-55 to 1856-57, from a Parliamentary Return dated April 16, 1858, The Return for 1854-55 is inserted, because that already given at Page 84 is only partially efficial.

MERCHANDON DEPOSTED (STO THE TRANS PROMINENCES.	SCHOOL PROFESSION AND PART THE
1854-56	1854-65
1855-56	1855-55
1856-6714,194,586	1856.5725,338,453

Page 86.—Table exhibiting the Sums paid into the East India Company's Treasury in London, on account of Railways in India, up to the 31st March, 1858.

NAMES OF COMPANIES.	Capital mittilizzed.	Total paid fa.	Re-laxued in England.
East Indian Great Indian Peninsula Madras Scinds, including India Viotilla and Punjanh Bombay, Barola, and Central India Eastern Bengal	2,731,809 5,333,309 4,000,000 2,730,000 1,750,000 1,000,000	7,767,949 3,356,257 2,689,880 954,151 728,468 35,000	4,543,910 1,868,727 1,306,983 272,540 337,841
	26,564,300	15,496,605	8,330,010

The following Statement, extracted from a Parliamentary Return, dated 13th April, 1858, shows the amount of Capital which it is estimated will be required for the Indian Bailways sanctioned up to this time.

BAISWAY COMPANY.	Miles.	Estimated Outing required to applicate the several Union absolutions.
East Indian Eastern Bengal Madras East Indian Feminania Sind and Punjab Bombay, Burola, and Central India	1,400 130 740 1,208 340 230	12,781,000 1,000,000 8,000,000 10,000,000 2,500,000 2,000,000
	1 = 1	£34,231,060

Page 88.—Amay produce of Silver Bullion received into the Mints of Calcutta, Madras, and Bombay, for 1855-56.

Assay produce of Silver received from individuals. Value of uncurrent coins received from Treasury officers. Silver Coinage	44.99.200
Assay produce of Silver received from Individuals. Value of uncurrent coins received from Treasury officers. Silver Coinage	85.01.401
Assay produce of Silver provived from individuals. Value of uncurrent coins received from Treasury officers. Silver Colonge	1,92,45,122 10,60,480 2,56,21,962

^{*} Of this total the su: \$3,990,740 has been disturned as interest on regital





GENERAL INDEX.

Where autorioles (*) are inserted after the figures, the pussages indicated will be found in Gar Sent-motor.

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